

73044628

USE OF A STANDARD WHO QUESTIONNAIRE FOR RECOGNITION OF ANGINA PECTORIS CAUSED BY EXERTION IN MASS COMMUNITY EXAMINATIONS.

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ALL-UNION CARDIOL. SCI. CENT., ACAD. MED. SCI. USSR, MOSCOW, USSR.

TER ARKH 53 (5). 1981. 33-38. Coden: TEARA

Language: RUSSIAN

The possibility of using a standard WHO questionnaire in mass community examinations for recognition of angina pectoris caused by exertion was studied during a campaign for multiple-factor prevention of ischemic heart disease (IHD) among men aged 40-59 yr. It was performed on the basis of a territorial polyclinic. Among the test subjects, the incidence of angina pectoris caused by exertion was 7.3% based on completion of the standard questionnaire by a responsible physician and 9.4% according to the questionnaire sent by mail. The data derived from the mail questionnaire indicated that angina pectoris incidence was greatest in the subjects who were not examined. The standard mail questionnaire completed before prophylactic examination made it possible to classify the subjects by the intensity and pattern of the pain syndrome and to screen a group of men (30% of those questioned) suspected of IHD and wanting further examination on an outpatient basis. The standard questionnaire used by a physician during examination at a polyclinic, provided that all recommendations for its completion are adhered to, may be a reliable means to recognize men with exertion-caused angina pectoris in the course of mass prophylactic community examinations.

Descriptors: HUMAN ISCHEMIC HEART DISEASE PREVENTION CAMPAIGN PAIN SYNDROME PATTERN INTENSITY PROPHYLACTIC EXAMINATION

Concept Codes: MATHEMATIC BIOL/STATISTIC METH(04500); BIOCHEM-GASES(10012); PHYSIOLOGY-STRESS(12008); PHYSIOLOGY-EXERCISE, PHYS THERAP(+12010); MOVEMENT(12100); PATHOLOGY-DIAGNOSTIC(+12504); CARDIOVASC SYST-GENL STUDS, METHS(14501); CARDIOVASC SYST-HEART PATHOLOGY(+14506); CARDIOVASC SYST-BLD VESS PATHOL(+14508); NERVOUS SYST-PHYSIOL, BIOCHEM(20504); PUB HEALTH-ADMINISTR, STATISTICS(+37010); PUB HEALTH-HEALTH SERV, MEDL CARE(37012); EPIDEMIOL-ORGANIC DIS, NEOPLASMS(+37054)

Biosystematic Codes: HOMINIDAE(86215)

73044075

A MICRO METHOD FOR THE RAPID ULTRA CENTRIFUGAL SEPARATION OF HUMAN PLASMA HIGH DENSITY LIPO PROTEIN SUBFRACTIONS HDL-2 AND HDL-3/0

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CLIN CHIM ACTA 114 (2-3). 1981. 225-232. Coden: CCATA

Language: ENGLISH

Currently available ultracentrifugal procedures separating the 2 major density subfractions of high density lipoprotein

(HDL2 and HDL3) are time-consuming and expensive, and required relatively large volumes of plasma. In order to overcome these problems, a rapid and simple procedure, requiring only 0.5 ml plasma, was developed. After precipitation of apoprotein B-containing lipoproteins with heparin and MnCl₂, 120 μ mol of the supernatant is adjusted to a density of 1.125 g/ml with aqueous NaCl-NaBr and centrifuged for 3.5 h at 160,000 $\times$ times. g in an air-drive bench-top ultracentrifuge (Beckman Airfuge). The HDL2 is then removed in a tube-slicer, constructed to permit 6 Airfuge tubes to be sliced simultaneously and the cholesterol content assayed by a cholesterol oxidase procedure. The method provides an alternative to the recently described heparin/MnCl₂ per dextran sulfate double-precipitation procedure, with the advantage of permitting quantitative recovery of intact HDL2.

Concept Codes: CLIN BIOCHEM-GENL STUDIES(+10006); BIOCHEM METH-PROTNS, PEPTIDS, AM AC(+10054); BIOCHEM METH-LIPIDS(+10056); BIOCHEM STUD-PROTEINS, PEPTIDES, AMINO AC(+10064); BIOCHEM STUD-LIPIDS(+10066); BIOCHEM STUD-STEROLS, STEROIDS(+10067); MOVEMENT(12100); BLOOD/BODY FLDS-BLOOD, LYMPH STUD(+15002)

Biosystematic Codes: HOMINIDAE(86215)

73042719

VARIATION IN SKIN AND ENVIRONMENTAL SURVIVAL OF HOSPITAL GENTAMICIN RESISTANT ENTEROBACTERIA

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J HYG 87 (2). 1981. 277-286. Coden: JOHYA

Language: ENGLISH

Descriptors: KLEBSIELLAE ENTEROBACTER ESCHERICHIA-COLI CITROBACTER HUMAN ATTENDANT STAFF DRY ENVIRONMENTAL SURFACE HAND CARRIAGE FECAL CARRIER FORE ARM PLASMID ANTIBACTERIAL-DRUG

Concept Codes: MATHEMATIC BIOL/STATISTIC METH(04500); BIOCHEM METH-NUCL AC, PURNS, PYRM(10052); BIOCHEM STUD-NUCL AC, PURNS, PYRM(10062); BIOCHEM STUD-CARBOHYDR.(10068); CHORDATE BODY REGNS-EXTREMITIES(11318); PATHOLOGY-THERAPY(125-12); DIGESTIVE SYST-GENL STUDS, METHS(14001); INTEGUMENT SYST-GENL STUDS, METHS(18501); PHARMACOL-GENERAL STUDIES(22002); PHARMACOL-CLINICAL PHARMACOL(22005); BACTERIAL AND VIRAL GENETICS(31500); MED/CLIN MICROBIOL-GEN, METH, TECH(36001); MED/CLIN MICROBIOL-BACTERIOLOGY(+36002); PUB HEALTH-ADMINISTR, STATISTICS(+37010); PUB HEALTH-HEALTH SERV, MEDL CARE(+37012); ENVIRON HEALTH-OCCUPATNL HEALTH(37013); EPIDEMIOL-COMMUNICABLE DISEASES(+37052); PUB HEALTH-ANIMATE DIS VECTORS(37058); PUB HEALTH-INANIMATE DIS VECTORS(37060); PUB HEALTH MICROBIOL(37400); CHEMOTHERAPY-ANTIBACTERIAL AGENTS(+38504)

Biosystematic Codes: ENTEROBACTERIACEAE(04810); HOMINIDAE(8-6215)

73039572

CONCANAVALLIN A INDUCED MORPHOLOGICAL CHANGES AND ITS BINDING SITES IN STARFISH ASTERINA-PECTINIFERA FOLLICLE CELLS AS REVEALED BY ELECTRON MICROSCOPY

KAWAI N; SANO K; NAGAHAMA Y; KANATANI H; HIRANO H
DEP. OF ANATOMY, AICHI MEDICAL UNIV., NAGAKUTE, AICHI-GUN, 480-11.

DEV GROWTH DIFFER 23 (2). 1981. 111-124. Coden: DGDFA

Language: ENGLISH

Descriptors: METABOLIC-DRUG 1 METHYL ADENINE, HORSE RADISH PEROXIDASE FERRITIN

Concept Codes: MICROSCOPY-CYTOLOG, CYTOCHEM TECH(01054); ELECTRON MICROSCOPY(01058); CYTOLOGY/CYTOCHEM-ANIMAL(*02506); ECOLOGY-WATR RESRCH, FISHERY BIOL(07517); BIOCHEM STUD-NUCL ACD, PURNS, PYRM(10062); BIOCHEM STUD-PROTEINS, PEPTIDES, AMINO ACD(10064); BIOCHEM STUD-PORPHYRNS, BILE PIGM(10065); MINERALS(10069); BIOPHYS-MEMBRANE PHENOMENA(*10508); ENZYMES--METHODS(10804); ANATOMY/HISTOL-MICRO, ULTRAMICRSC(*11108); METABOLISM-NUCL ACD, PURINS, PYRM(*13014); REPRODUCT SYST-ANATOMY(*16502); ENDOCRINE SYST-GONADS, PLACENTA(*17006); IMMUNOL/IMMUNOCHEM-GEN METH(34502); PLANT PHYSIOL-ENZYMES(51518); PLANT PHYSIOL-CHEM CONSTITUENTS(51522); PHARMACOGNOSY/PHARMACEUT BOTANY(54000); INVERTB PHYSIOL-ECHINODERMATA(*64048)

Biosystematic Codes: CRUCIFERAE(25880); LEGUMINOSAE(26260); ASTEROIDEA(83100)

73039570

ACID RELEASE AT ACTIVATION AND FERTILIZATION OF STARFISH OOCYTES

PEAUCELLIER G; DOREE M

STATION BIOL., 2911, ROSCOFF, FRANCE.

DEV GROWTH DIFFER 23 (3). 1981. 287-296. Coden: DGDFA

Language: ENGLISH

Descriptors: ASTERIAS-RUBENS, MARTHASTERIAS-GLACIALIS SEA-URCHIN VITELLINE MEMBRANE 1 METHYL ADENINE METABOLIC-DRUG SODIUM INFLUX

Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(*02506); MATHEMATIC BIOL/STATISTIC METH(04500); ECOLOGY-WATR RESRCH, FISHERY BIOL(07517); COMPARATIVE BIOCHEM-GENL STUDIES(*10010); BIOCHEM STUD-GENERAL(10060); BIOCHEM STUD-NUCL ACD, PURNS, PYRM(10062); MINERALS(10069); BIOPHYS-MEMBRANE PHENOMENA(*10508); METABOLISM-GENL STUD, METAB PATHW(*13002); MINERALS(*13010); REPRODUCT SYST-PHYSIOL, BIOCHEM(*16504); ENDOCRINE SYST-GONADS, PLACENTA(*17006); PHARMACOL-DRUG METAB, METAB STIMU(22003); PHARMACOL-ENDOCRINE SYST(22016); INVERTB PHYSIOL-ECHINODERMATA(*64048)

Biosystematic Codes: ASTEROIDEA(83100); ECHINOIDEA(83300)

73028997

AN EFFECT OF NORINYL TREATMENT ON THE PROTEIN SYNTHESIS IN PANCREAS

CHEON L S

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KOREA UNIV MED J 18 (1). 1981. 1-18. Coden: CUIHA

Language: KOREAN

Descriptors: GUINEA-PIG ASCORBIC-ACID DNASE GLUTAMIC PYRUVIC TRANS AMINASE LACTIC DEHYDROGENASE AMYLASE LIPASE TRYPSIN CHOLIN ESTERASE DNA RNA ZYMOGEN GRANULE

Concept Codes: MICROSCOPY-HISTOL, HISTOCHEM TECH(01056); ELECTRON MICROSCOPY(01058); CYTOLOGY/CYTOCHEM-ANIMAL(*02506); GENETICS/CYTOGENET-ANIMAL(*03506); COMPARATIVE BIOCHEM-GENL STUDIES(10010); BIOCHEM STUD-NUCL ACD, PURNS, PYRM(10062); BIOCHEM STUD-VITAMINS(10063); BIOCHEM STUD-PROTEINS, PEPTIDES, AMINO ACD(10064); BIOCHEM STUD-STEROLS, STEROIDS(10067); ENZYMES-GEN, COMPAR STUD, COENZYMES(10802); ENZYMES-PHYSIOLOGICAL STUDIES(*10808); ANATOMY/HISTOL-MICRO, ULTRAMICRSC(*11108); PATHOLOGY-NECROSIS(12510); METABOLISM-PROTNS, PEPTOS, AM ACDS(*13012); METABOLISM-NUCL ACD, PURINS, PYRM(*13014); DIGESTIVE SYST-PATHOLOGY(*14006); BLOOD/BODY FLDS-BLOOD, LYMPH STUD(1500-2); REPRODUCT SYST-PHYSIOL, BIOCHEM(*16504); ENDOCRINE SYST-GONADS, PLACENTA(*17006); DENTAL/ORAL BIOL-GENL STUD, METH-S(19001); PHARMACOL-DRUG METAB, METAB STIMU(22003); PHARMACOL-DIGESTIVE SYST(*22014); PHARMACOL-ENDOCRINE SYST(*22016); PHARMACOL-REPRODUCT SYST, IMPLANT(*22028); ROUTES OF IMMUNIZ, INFECT, THERAP(22100); TOXICOL-PHARMACOLOGICAL(*22504)

Biosystematic Codes: CAVIIDAE(86300); BIOSIS INTERNAL USE(97100)

73025483

ITALIAN NEUROPTERANS NEUROPTERA PLANIPENNIA

MONSERRAT V

DEPARTAMENTO DE ZOOLOGIA, FACULTAD DE BIOLOGIA, UNIVERSIDAD DE SALAMANCA, ESPAGNE.

NEUROPTERA INT 1 (2). 1980 (RECD. 1981). 48-64. Coden: NINND

Language: FRENCH

Descriptors: NINETA-GUADARRAMENSIS-PRINCIPIAE NEW-SUBSPECIES DESCRIPTION 64 SPECIES BIOLOGY DISTRIBUTION

Concept Codes: GENL BIOL-TAXONOMY, NOMENCLATUR(00504); ECOLOGY-ANIMAL(07508); ECOLOGY-WATR RESRCH, FISHERY BIOL(07517); ANATOMY/HISTOL-COMPARATIVE(*11103); ANIMAL DISTRIBUTION/ZOO-GEOGRAPHY(*62800); INVERTB TAXN-INSECTA, NEUROPTERA(*63586); INVERTB PHYSIOL-INSECTA-MORPHOL(*64074); INVERTB PHYSIOL-INSECTA-PHYSIOL(64076)

Biosystematic Codes: NEUROPTERA(*75336)

73022594

REFINEMENTS ON AMERICAN SYRRHOPODON MUSCI CALYMPERACEAE
REESE W O
DEP. OF BIOL., THE UNIV. OF SOUTHWESTERN LOUISIANA,
LAFAYETTE, LA.

BRYOLOGIST 84 (2). 1981. 244-248. Coden: BRYOA

Language: ENGLISH

Descriptors: SYRRHOPODON-CYMBIFOLIUS SYRRHOPODON-PARASITICUS-
S-VAR-PARASITICUS SYRRHOPODON-FLEXIFOLIUS SYRRHOPODON-PARASIT-
ICUS-VAR-FLEXIFOLIUS NEW-COMBINATION NEW-STATUS SYRRHOPODON-A-
NNOTINUS LEAF CELL SYNONYM AMAZONIA COSTA-RICA

Concept Codes: CYTOLOGY/CYTOCHEM-PLANT(02504); GENL/TAXN
BOTANY-BRYOPHYTA(+50512); GENL/TAXN BOTANY-FLORISTICS/DISTR(+
50528); PLANT MORPHOL, EMBRYOL, ANATOMY(+51000)

Biosystematic Codes: MUSCI(+21600)

73021563

LIPID COMPOSITION AND ACTIVITY OF CYCLIC AMP METABOLISM
ENZYMES IN PLASMA MEMBRANES OF RAT LIVER AFTER HYDRAZINE
SULFATE ADMINISTRATION

KUCHERENKO N E; VASIL'EV A N; PARKHOMETS T I; GAVRILEI V I;
MAIDANYUK A V; NECHIPORUK T S

KIEV STATE UNIV., KIEV, USSR.

DOKL AKAD NAUK UKR SSR SER B GEOL KHIM BIOL NAUKI O (12).
1980 (RECD. 1981). 74-76. Coden: DNNAD

Language: RUSSIAN

Descriptors: FLUORIDE METABOLIC-DRUG ISOPROTERENOL
AUTONOMIC-DRUG CHOLESTEROL ADENYLATE CYCLASE PHOSPHO DI
ESTERASE

Concept Codes: COMPARATIVE BIOCHEM-GENL STUDIES(10010);
BIOCHEM METH-PROTNS, PEPTDS, AM AC(10054); BIOCHEM METH-LIPIDS(-
10056); BIOCHEM METH-STEROLS, STERIDS(10057); BIOCHEM
STUD-GENERAL(10060); BIOCHEM STUD-NUCL ACD, PURNS, PYRM(10062);
BIOCHEM STUD-PROTEINS, PEPTIDES, AMINO ACD(10064); BIOCHEM
STUD-LIPIDS(10066); BIOCHEM STUD-STEROLS, STERIDS(10067);
BIOPHYS-MEMBRANE PHENOMENA(+10508); ENZYMES-GEN, COMPAR
STUD, COENZYM(10802); ENZYMES-PHYSIOLOGICAL STUDIES(+10808);
METABOLISM-GENL STUD, METAB PATHW(13002); METABOLISM-LIPIDS(+1-
3006); METABOLISM-STEROLS, STERIDS(+13008); METABOLISM-PROTNS-
PEPTDS, AM ACDS(+13012); METABOLISM-NUCL ACD, PURINS, PYRIM(+13-
014); DIGESTIVE SYST-GENL STUDS, METHS(14001); DIGESTIVE
SYST-PATHOLOGY(+14006); BLOOD/BODY FLDS-BLOOD, LYMPH STUD(+150-
02); NERVOUS SYST-GENL STUDS, METHS(20501); PHARMACOL-DRUG
METAB, METAB STIMU(+22003); PHARMACOL-NEUROPHARMACOLOGY(22024);
TOXICOL-GENL/EXP STUDS, METHS(+22501)

Biosystematic Codes: MURIDAE(86375)

73021150

SIGNIFICANCE OF MEASUREMENT OF THE OSCILLATORY RESISTANCE TO
RESPIRATION IN CHILDREN

BERDEL D; HOLLE J P; HARTMANN V; MAGNUSSEN H

UNIV. KINDERKLINIK, ADENAUERALLEE 119, 5300 BONN 1.

KLIN PAEDIATR 193 (2). 1981. 73-76. Coden: KLPDB

Language: GERMAN

Descriptors: WHOLE BODY PLETHYSMOGRAPHY

Concept Codes: BIOPHYS-GENERAL BIOPHYS TECH(10504);
PHYSIOLOGY-INSTRUMENTATION(12004); MOVEMENT(12100); RESPIRATO-
RY SYST-GENL STUD, METHS(+16001); RESPIRATORY SYST-PHYSIOL, BIO-
CHEM(+16004); PEDIATRICS(+25000)

Biosystematic Codes: HOMINIDAE(86215)

73021149

MEASUREMENT OF AEROSOL SIZE AND ITS EFFECT ON INHALED
AEROSOL DEPOSITION PATTERNS IN THE LUNGS

TESHIMA T; ISAWA T; HIRANO T; EBINA A; KONNO K

DEP. MED., RES. INST. CHEST DIS. CANCER, TOHOKU UNIV.,
SENDAI, JPN.

JPN J NUCL MED 18 (4). 1981. 449-454. Coden: KAIGB

Language: JAPANESE

Descriptors: HUMAN CARRIER GAS RESERVOIR MUCO CILIARY
CLEARANCE VENTILATION LUNG IMAGING

Concept Codes: PHOTOGRAPHY-METHS, MATLS, APPARAT(01012);
RADIATION BIOL-RADTN, ISOTOP TECH(06504); BIOCHEM-GASES(+10012);
BIOCHEM METH-GENERAL(10050); BIOCHEM STUD-GENERAL(+10060);
BIOPHYS-GENERAL BIOPHYS TECH(10504); BIOPHYS-MOLECUL
PROP, MACROMOLEC(+10506); RESPIRATORY SYST-GENL STUD, METHS(+16-
001); RESPIRATORY SYST-PHYSIOL, BIOCHEM(+16004); DENTAL/ORAL
BIOL-GENL STUD, METHS(19001); ROUTES OF IMMUNIZ, INFECT, THERAP(+
22100)

Biosystematic Codes: HOMINIDAE(86215)

73021147

EFFECT OF LOCAL FACTORS ON WOUND HEALING AFTER COMPLETE
LARYNGECTOMY

KUSNIERCZYK W; GIEREK T; CZOBER M; NAMYSLOWSKI G

UL. RYMERA 6M.2, 40-048 KATOWICE.

OTOLARYNGOL POL 34 (6). 1980. 537-545. Coden: OTPOA

Language: POLISH

Descriptors: HUMAN NEOPLASM PHARYNGO CUTANEOUS FISTULA
STANDARDIZED SURGICAL TECHNIQUE RADIO THERAPY PARENTERAL
ALIMENTATION POST OPERATIVE MANAGEMENT

Concept Codes: RADIATION BIOL-RADTN, ISOTOP TECH(06504);
ANATOMY/HISTOL-SURGERY(11105);
ANATOMY/HISTOL-REGEN, TRANSPLANT(+11107);
PATHOLOGY-THERAPY(12512); NUTRITION-GENL, NUTR STATUS, METHS(13-
202); DIGESTIVE SYST-GENL STUDS, METHS(14001); DIGESTIVE
SYST-PATHOLOGY(+14006); RESPIRATORY SYST-GENL STUD, METHS(+160-
01); RESPIRATORY SYST-PATHOLOGY(+16006); INTEGUMENT SYST-GENL
STUDS, METHS(+18501); ROUTES OF IMMUNIZ, INFECT, THERAP(22100);
NEOPLSMS/NEOPL AGNTS-PATH, CLINIC(24004); NEOPLSMS/NEOPL
AGNTS-THERAP, AGNT(+24008)

Biosystematic Codes: HOMINIDAE(86215)

73021144

INTESTINAL ABSORPTION OF ZINC DURING GRAVIDITY AND LACTATION
 SCHWARZ F J; KIRCHGESSNER M; SHERIF S Y
 INST. FUER ERNAHRUNGSPHYSIOL., TECHNISCHE UNIV. MUENCHEN,
 D-8050 FREISING-WEIHENSTEPHAN, BUNDESREPUBLIK DEUTSCHLAND.
 RES EXP MED 179 (1). 1981. 35-42. Coden: REXMA
 Language: GERMAN
 Descriptors: RAT
 Concept Codes: MATHEMATIC BIOL/STATISTIC METH(04500);
 MINERALS(10069); PHYSIOLOGY-COMPARATIVE(12003); MINERALS(+130-
 10); DIGESTIVE SYST-GENL STUDS,METHS(14001); DIGESTIVE
 SYST-PHYSIOL,BIOCHEM(+14004); REPRODUCT SYST-PHYSIOL,BIOCHEM(-
 16504); IN VITRO STUDS-CELLULR,SUBCELL(32600)
 Biosystematic Codes: MURIDAE(86375)

73020588

MULTIPLE SUBSTANCE USE BY ALCOHOLICS
 SOKOLOV L; WELTE J; HYNES G; LYONS J
 NEW YORK STATE DIV. OF ALCOHOLISM AND ALCOHOL ABUSE, 194
 WASHINGTON AVE., ALBANY, NY.
 BR J ADDICT 76 (2). 1981. 147-158. Coden: BJADA
 Language: ENGLISH
 Descriptors: HUMAN PHYSIOLOGICAL IMPAIRMENT DYS FUNCTIONAL
 BEHAVIOR TREATMENT
 Concept Codes: MATHEMATIC BIOL/STATISTIC METH(04500);
 BEHAVIOR BIOL-HUMAN BEHAVIOR(+07004); BIOCHEM STUD-GENERAL(10-
 060); PATHOLOGY-GENERAL STUDIES(12502); PATHOLOGY-THERAPY(125-
 12); NERVOUS SYST-PATHOLOGY(+20506); PSYCHIATRY-PSYCHPATH-DYN-
 M,THERAP(+21002); PSYCHIATRY-ADDICTION(INC SMOKNG)(+21004);
 PHARMACOL-NEUROPHARMACOLOGY(+22024);
 PHARMACOL-PSYCHIOPHARMACOLOGY(+22026); TOXICOL-GENL/EXP STUDS,-
 METHS(+22501); TOXICOL-PHARMACOLOGICAL(+22504); PUB HEALTH-HE-
 ALTH SERV,MEDL CARE(37012)
 Biosystematic Codes: HOMINIDAE(86215)

73012494

IMMUNO STIMULATORS 3. SYNTHESIS AND IMMUNOTROPIC ACTIVITY OF
 HYDRO CHLORIDES OF BIS BASIC ETHERS OF 4 SUBSTITUTED ALIZARINS
 LITVINOVA L A; LEMPART G V; ANDRONATI S A; FILIPPOVA T O
 PHYS.-CHEM. INST., ACAD. SCI. UKR. SSR, ODESSA, USSR.
 KHIM-FARM ZH 14 (10). 1980 (RECD. 1981). 34-37. Coden:
 KIIFZA
 Language: RUSSIAN
 Descriptors: MOUSE 2-P TOLUENESULFONYL ALIZARIN 4
 BROMO-2-O-P-TOLUENESULFONYL ALIZARIN 4 CHLORO-2-O-P
 TOLUENESULFONYL ALIZARIN 4 BROM ALIZARIN 4 NITRO ALIZARIN 1 2
 O1 BENZOYL ALIZARIN O O DI BENZOYL-4-NITRO ALIZARIN 4 BROMO-1
 2-BIS-2-DIETHYLAMINOETHOXY ANTHRA QUINONE O1 HYDRO CHLORIDE
 IMMUNOLOGIC-DRUG 2 METHYL CHOLANTHRENE INDUCED IMMUNO
 DEPRESSION
 Concept Codes: BIOCHEM METH-GENERAL(+10050); BIOCHEM
 STUD-GENERAL(10060); BIOPHYS-GENERAL BIOPHYS TECH(10504);
 BIOPHYS-MOLECUL PROP,MACROMOLEC(10506); MOVEMENT(12100);
 METABOLISM-GENL STUD,METAB PATHW(13002); PHARMACOL-GENERAL

STUDIES(22002); PHARMACOL-DRUG METAB,METAB STIMU(+22003);
 PHARMACOL-IMMUNO PROCES,ALLERGY(+22018); TOXICOL-GENL/EXP
 STUDS,METHS(22501); TOXICOL-PHARMACOLOGICAL(22504); IMMUNOL/I-
 MMUNOCHEM-GEN METH(34502); IMMUNOL/IMMUNOCHEM-IMMUNOPATHOL(+3-
 4508)
 Biosystematic Codes: MURIDAE(86375)

73011964

IMMUNO CYTOCHEMICAL LOCALIZATION OF P-D PROTEIN IN GOLGI
 COMPLEX MEMBRANES AND MYELIN OF DEVELOPING RAT SCHWANN CELLS
 TRAPP B D; ITOYAMA Y; STERNBERGER N H; QUARLES R H; WEBSTER
 H D
 LAB. NEUROPATHOL., NEUROANATOMICAL SCI., DEVELOPMENTAL,
 METABOLIC NEUROL. BRANCH, NATL. INST. NEUROL., COMMUNICATIVE
 DISORDERS, STROKE, NATL. INST. HEALTH, BETHESDA, MD 20205.
 J CELL BIOL 90 (1). 1981. 1-6. Coden: JCLBA
 Language: ENGLISH
 Descriptors: TRIGEMINAL SCIATIC NERVE MYELINATION PEROXIDASE
 ANTI PEROXIDASE
 Concept Codes: PHOTOGRAPHY-METHS,MATLS,APPARAT(01012);
 MICROSCOPY-CYTOLOG,CYTOCHEM TECH(01054); ELECTRON MICROSCOPY(-
 01058); CYTOLOGY/CYTOCHEM-ANIMAL(+02506); BIOCHEM STUD-PROTEI-
 NS,PEPTIDES,AMINO ACD(10064); BIOCHEM STUD-PORPHYRINS,BILE
 PIGM(10065); BIOCHEM STUD-LIPIDS(10066); BIOCHEM STUD-CARBOHY-
 DR.(10068); BIOPHYS-MEMBRANE PHENOMENA(+10508); ENZYMES-METHO-
 DS(10804); ANATOMY/HISTOL-MICRO,ULTRAMICRSC(+11108); METABOLI-
 SM-CARBOHYDRATES(13004); METABOLISM-LIPIDS(13006); METABOLISM-
 -PROTNS,PEPTDS,AM ACDS(+13012); BLOOD/BODY FLDS-BLOOD,LYMPH
 STUD(15002); NERVOUS SYST-GENL STUDS,METHS(20501); NERVOUS
 SYST-PHYSIOL,BIOCHEM(+20504); PEDIATRICS(25000); DEVELOPMNTL
 BIOL-GEN MORPHGENSIS(+25508); IMMUNOL/IMMUNOCHEM-GEN METH(345-
 02)
 Biosystematic Codes: MURIDAE(86375)

73011649

2 CASES OF INTRA VENTRICULAR MENINGIOMAS IN CHILDREN
GIROMINI D; PEIFFER J; TZONOS T
KINDER- UND UNFALLNEUROCHIRURGIE KATHARINENHOSPITAL
KRIEGSBERGSTR. 60, 7000 STUTTGART 1.
NEUROCHIRURGIA 24 (4). 1981. 144-146. Coden: NURAB
Language: GERMAN
Descriptors: CHOROID PLEXUS INTRA CRANIAL PRESSURE
CALCIFICATION

Concept Codes: PHOTOGRAPHY-METHS, MATLS, APPARAT(01012);
MICROSCOPY-HISTOL, HISTOCHEM TECH(01056); CYTOLOGY/CYTOCHEM-HU-
MAN(02508); RADIATION BIOL-RADTN, ISOTOP TECH(06504);
MINERALS(10069); ANATOMY/HISTOL-SURGERY(11105); ANATOMY/HIST-
OL-RADIOLOGIC(11106); PATHOLOGY-DIAGNOSTIC(12504); PATHOLOGY--
THERAPY(12512); MINERALS(13010); METABOLISM-METABOLIC
DISORDERS(13020); CARDIOVASC SYST-BLD VESS PATHOL(14508);
NERVOUS SYST-GENL STUDS, METHS(20501); NERVOUS SYST-PATHOLOGY(-
20506); NEOPLSMS/NEOPL AGNTS-DIAGNS METH(24001);
NEOPLSMS/NEOPL AGNTS-PATH, CLINIC(24004); NEOPLSMS/NEOPL
AGNTS-THERAP, AGNT(24008); PEDIATRICS(25000)
Biosystematic Codes: HOMINIDAE(86215)

73001395

CORRELATION OF BI PARIETAL AND FETAL BODY DIAMETERS 12-26
WEEKS GESTATION

SARTI D A; CRANDALL B F; WINTER J; ROBERTSON R D; KARP L E;
KABACK N M
DEP. RADIOL., DIV. DIAGNOSTIC ULTRASOUND, UCLA SCH. MED.,
LOS ANGELES, CALIF. 90024.

AJR (AM J ROENTGENOL) 137 (1). 1981. 87-91. Coden:
AJROA

Language: ENGLISH
Descriptors: HUMAN ABDOMEN FETAL ABNORMALITY THERAPEUTIC
ABORTION SONOGRAPHY

Concept Codes: RADIATION BIOL-RADTN, ISOTOP TECH(06504);
BIOPHYS-GENERAL BIOPHYS TECH(10504); CHORDATE BODY
REGNS-HEAD(11304); CHORDATE BODY REGNS-ABDOMEN(11314);
PATHOLOGY-DIAGNOSTIC(12504); PATHOLOGY-NECROSIS(12510); REPRO-
DUCT SYST-GENL STUDS, METHS(16501); REPRODUCT SYST-PHYSIOL, BI-
OCHEM(16504); DEVELOPMNTL BIOL-GENL, DESCRIPTIVE(25502);
DEVELOPMNTL BIOL-PATHOLOGICAL(25503); DEVELOPMNTL BIOL-DESCR-
IP TERATOL(25552)

Biosystematic Codes: HOMINIDAE(86215); BIOSIS INTERNAL
USE(97000); BIOSIS INTERNAL USE(97100)

73001394

ESTIMATING FETAL AGE EFFECT OF HEAD SHAPE ON BI PARIETAL
DIAMETER

HADLOCK F P; DETER R L; CARPENTER R J; PARK S K
DEP. RADIOL., BAYLOR COLL. MED., HOUSTON, TEX. 77019.
AJR (AM J ROENTGENOL) 137 (1). 1981. 83-85. Coden:
AJROA

Language: ENGLISH
Descriptors: HUMAN SONOGRAPHY CEPHALIC INDEX HEAD

CIRCUMFERENCE

Concept Codes: RADIATION BIOL-RADTN, ISOTOP TECH(06504);
BIOPHYS-GENERAL BIOPHYS TECH(10504); CHORDATE BODY
REGNS-HEAD(11304); REPRODUCT SYST-GENL STUDS, METHS(16501);
DEVELOPMNTL BIOL-GENL, DESCRIPTIVE(25502); DEVELOPMNTL
BIOL-GEN MORPHGENSIS(25508)
Biosystematic Codes: HOMINIDAE(86215)

73001388

FINAL STAGES OF ERYTHRO PHAGOCYTOSIS IN THE SHEEP PLACENTA

MYAGKAYA G; SCHELLENS J P M
LAB. FOR HISTOL. AND CELL BIOL., EERSTE CONST. HUYGENSSTRAAT
20, 1054 BW AMSTERDAM, THE NETHERLANDS.

CELL TISSUE RES 214 (3). 1981. 501-518. Coden: CTSRC

Language: ENGLISH
Descriptors: TROPHO BLASTIC EPITHELIAL CELL ERYTHROCYTE
MATERNAL LEUKOCYTE GIANT CELL LYSOSOME ACID PHOSPHATASE HEMO
GLOBIN DERIVED PIGMENTS

Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(02506); BIOCHEM
STUD-PROTEINS, PEPTIDES, AMINO ACID(10064); BIOCHEM STUD-PORPHYR-
NS, BILE PIGM(10065); BIOPHYS-MEMBRANE PHENOMENA(10508);
ENZYMES-PHYSIOLOGICAL STUDIES(10808); ANATOMY/HISTOL-MICRO, U-
LTRAMICRSC(11108); METABOLISM-PROTNS, PEPTDS, AM ACDS(13012);
METABOLISM-PORPHYRINS, BILE PIGMN(13013); BLOOD/BODY FLDS-LYMPHAT
TISS, RES(15008); REPRODUCT SYST-PHYSIOL, BIOCHEM(16504);
DEVELOPMNTL BIOL-GENL, DESCRIPTIVE(25502); DEVELOPMNTL
BIOL-GEN MORPHGENSIS(25508)

Biosystematic Codes: BOVIDAE(85715)

73001382

NORMAL OR RETROVIRUS INFECTED CULTURED CHICKEN EMBRYO CELLS EXPRESS THE 48000 DALTON AGE RELATED ANTIGEN CHARACTERISTIC OF EMBRYONIC CHICKEN ERYTHROCYTES

PERISIC O; BLOUARD J M; BLANCHET J P; GREENLAND T B; KRSMANOVIC V

UNITE DE VIROLOGIE FONDAMENTALE ET APPLIQUE INSERM - U51, 1, PLACE PR JOSEPH RENAUT, 69371 LYON CEDEX 2, FR.

DIFFERENTIATION 18 (3), 1981, 175-178. Coden: DFFNA

Language: ENGLISH

Descriptors: RABBIT ROUS SARCOMA VIRUS ROUS ASSOCIATED VIRUS ONCORNAVIRUS IODINE-125 LABELED LACTO PEROXIDASE

Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(+02506); BIOCHEM STUD-PROTEINS, PEPTIDES, AMINO ACID(+10064); BIOCHEM STUD-PORPHYRINS, BILE PIGM(+10065); BIOPHYS-MOLECUL PROP, MACROMOLEC(+10506); BIOPHYS-MEMBRANE PHENOMENA(+10508); ENZYMES-METHODS(+10804); BLOOD/BODY FLDS-BLOOD CELL STUDS(+15004); NEOPLSMS/NEOPL AGNTS-IMMUNOLOGY(+24003); NEOPLSMS/NEOPL AGNTS-BIOCHEM(+24006); NEOPLSMS/NEOPL AGNTS-CARCINOGENS(+24007); DEVELOPMNTL BIOL-GENL, DESCRIPTIVE(+25502); DEVELOPMNTL BIOL-PATHOLOGICAL(+25503); DEVELOPMNTL BIOL-EXPERIMENTAL(+25504); DEVELOPMNTL BIOL-GEN MORPHOGENESIS(+25508); TISS CULTURE-APPARAT, METHS, MEDIA(+32500); VIROLOGY-ANIMAL HOST VIRUSES(+33506); IMMUNOL/IMMUNOCHEM-GEN METH(+34502); IMMUNOL/IMMUNOCHEM-BACT, VIR, FUNG(+34504); IMMUNOL-/IMMUNOCHEM-IMMUNOHEMATOL(+34506); IMMUNOL/IMMUNOCHEM-IMMUNOPATHOL(+34508); MED/CLIN MICROBIOL-VIROLOGY(+36006); VETERINARY SCI-MICROBIOLOGY(+38006)

Biosystematic Codes: RETROVIRIDAE-ONCOVIRINAE(+02244); GALLIFORMES(+85536); LEPORIDAE(+86040)

76047007 unavailable

R&S 138211

76045835 unavailable

76045832 unavailable

76045821 unavailable

76042029 unavailable

76041821 unavailable

76039980 unavailable

76033163 unavailable

76070374 unavailable

76033162 unavailable

76070355 unavailable

76033160 unavailable

76062340 unavailable

76033159 unavailable

76061303 unavailable

76033157 unavailable

76055219 unavailable

76033153 unavailable

76053887 unavailable

76047352 unavailable

76033147 unavailable

76006839 unavailable

76033142 unavailable

76006808 unavailable

76033141 unavailable

76006807 unavailable

76033140 unavailable

76006806 unavailable

76033138 unavailable

60067569 unavailable

76033137 unavailable

60066216 unavailable

76028371 unavailable

60063958 unavailable

76026620 unavailable

60062163 unavailable

76026617 unavailable

60058715 unavailable

76023350 unavailable

60058261 unavailable

76020134 unavailable

60058179 unavailable

76015258 unavailable

60056000 unavailable

76008864 unavailable

60055914 unavailable

76008536 unavailable

76006857 unavailable

R&S 138213

DIALOG File55: BIOSIS Previews - 1969 thru 1976 (Copr. Biological Abstracts Inc.) (Item 151 of 433) User 3614 25Jan83 1917

60052925 unavailable

60028843 unavailable

60052298 unavailable

60023097 unavailable

60050274 unavailable

60016566 unavailable

60047795 unavailable

60012229 unavailable

60042526 unavailable

60009761 unavailable

60040610 unavailable

60009755 unavailable

60040121 unavailable

60009739 unavailable

60038639 unavailable

60009717 unavailable

60038608 unavailable

22039702
STATUS OF PATHOGENIC AND PHYSIOLOGIC RACES OF
GREMMENIELLA-ABIETINA.
DORWORTH C E
GREAT LAKES FOR. RES. CENT., SAULT STE. MARIE, ONT., CAN.
PLANT DIS 65 (11), 1981, 927-931. Codon: PLDIO
Language: ENGLISH
Descriptors: PINE FIR DIEBACK TOP KILL BUD DROUGHT
Concept Codes: GENETICS/CYTOGENET-PLANT(03504); GENETICS/CY-
TOGENET-POPULAT GENET(03509); BIOCHEM-PHYSIOLOG WATER
STUD(10011); PATHOLOGY-NECROSIS(12510); PLANT PHYSIOL-WATER
RELATIONS(51502); PLANT PHYSIOL-GROWTH,DIFFERENTIAT(+51510);
FORESTRY AND FOREST PRODUCTS(+53500); PHYTOPATHOL-DIS BY
FUNGI(+54502); PHYTOPATHOL-PARASITISM,RESISTNCE(+54514)
Biosystematic Codes: ASCOMYCETES(15100); CONIFEROPSIDA
(CONIFERAE)(25102)

60037552 unavailable

60034812 unavailable

60034698 unavailable

60034337 unavailable

60032603 unavailable

60028859 unavailable

22039609

STUDIES ON RAMULARIA-CARTHAMI LEAF SPOT DISEASE OF SAFFLOWER
CARTHAMUS-TINCTORIUS.AGRAWAT J M; SOBTI A
AGRICULTURAL RESEARCH STATION, UNIVERSITY OF UDAIPUR,
BORKKERA, KOTA.SYMPOSIUM ON PLANT DISEASE PROBLEMS UNDER DIVERSIFICATION OF
CROP PRODUCTION IN INDIA, LUDHIANA, INDIA, NOV. 11, 1980.
INDIAN J MYCOL PLANT PATHOL 10 (2). 1980 (RECD. 1981).
XLVII. Coden: IJMPA

Language: ENGLISH

Descriptors: ABSTRACT BENLATE BAVISTIN CAPTAN FERBAM DITHANE
Z-78 DITHANE M-45Concept Codes: GENL BIOL-SYMPOSIA,PROCDNGS,REVW(00520);
BIOCHEM STUD-GENERAL(10060); AGRONOMY-OIL CROPS(+52514);
PHYTOPATHOL-DIS BY FUNGI(+54502); PHYTOPATHOL-DISEASE
CONTROL(+54516); PEST CONTRL GENL/PESTICS/HERBICS(+54600)Biosystematic Codes: DEUTEROMYCETES(15500); COMPOSITAE(2584-
O); ABSTRACTS OF MYCOLOGY(95000)

22028866

DIAGONAL MASKING REVEALS SPATIAL TUNING PROPERTIES OF CENTER
SURROUND UNITS IN HUMAN VISIONWILSON H R; KELLY D H
UNIV. OF CHICAGO.ANNUAL SPRING MEETING OF THE ASSOCIATION FOR RESEARCH IN
VISION AND OPHTHALMOLOGY INCORPORATED, SARASOTA, FLA., USA,
APRIL 26-MAY 1, 1981. INVEST OPHTHALMOL VISUAL SCI 20 (3
SUPPL.). 1981. 177. Coden: IOVSD

Language: ENGLISH

Descriptors: ABSTRACT VERTICAL TEST STIMULI LUMINANCE
PROFILEConcept Codes: GENL BIOL-SYMPOSIA,PROCDNGS,REVW(00520);
BIOPHYS-BIOCYBERNETICS(+10515); SENSE ORGANS-GENL STUDS.METHS-
(+20001); SENSE ORGANS-PHYSIOL,BIOCHEM(+20004)

Biosystematic Codes: HOMINIDAE(86215)

22028847

EFFECT OF SCAVENGERS OF TOXIC METABOLITES OF OXYGEN ON LIPID
PER OXIDATION OF LENS IN-VITROBHUYAN K C; BHUYAN D K; PODOS S M
MT. SINIA SCH. MED., NEW YORK, N.Y.ANNUAL SPRING MEETING OF THE ASSOCIATION FOR RESEARCH IN
VISION AND OPHTHALMOLOGY INCORPORATED, SARASOTA, FLA., USA,
APRIL 26-MAY 1, 1981. INVEST OPHTHALMOL VISUAL SCI 20 (3
SUPPL.). 1981. 219. Coden: IOVSD

Language: ENGLISH

Descriptors: ABSTRACT RABBIT CATARACTOGENESIS SUPER OXIDE
DIS MUTASE CATALASEConcept Codes: GENL BIOL-SYMPOSIA,PROCDNGS,REVW(00520);
BIOCHEM STUD-GENERAL(10060); BIOCHEM STUD-PROTEINS,PEPTIDES,A-
MINO ACD(10064); BIOCHEM STUD-LIPIDS(10066); ENZYMES-CHEM,PHY-
SICAL STUDIES(+10806); METABOLISM-GENL STUD,METAB PATHW(+1300-
2); METABOLISM-LIPIDS(+13006); SENSE ORGANS-PHYSIOL,BIOCHEM(+20004);20004); SENSE ORGANS-PATHOLOGY(+20006); TOXICOL-GENL/EXP
STUDS.METHS(+22501)

Biosystematic Codes: LEPORIDAE(86040)

22028455

ASSESSING THE RISKS OF PESTICIDES THE INDUSTRIAL POINT OF
VIEWVOSS G; GEISSBUEHLER H
AGRICULTURAL DIV., CIBA-GEIGY LTD., 4002 BASLE, SWITZERLAND.
MEETING OF THE 13TH INTERNATIONAL BOTANICAL CONGRESS,
SYDNEY, N.S.W., AUSTRALIA, AUG. 21-28, 1981. PROC INT BOT
CONGR 13 (0). 1981. 216. Coden: PIBCA

Language: ENGLISH

Descriptors: ABSTRACT REDUCED APPLICATION RATES BIO
DEGRADABILITY SAFETY WORKERS CONSUMER ENVIRONMENTConcept Codes: GENL BIOL-SYMPOSIA,PROCDNGS,REVW(00520);
BIOCHEM STUD-GENERAL(10060); METABOLISM-GENL STUD,METAB
PATHW(+13002); TOXICOL-ENVIRONMNTL,INDUSIR(+22506); PUB
HEALTH-GENL,MISCELL(+37001); ENVIRON HEALTH-OCCUPATNL HEALTH(+
37013); ENVIRON HEALTH-AIR,WATR,SL POLLN(+37015); PEST CONTRL
GENL/PESTICS/HERBICS(+54600)

22023004

OCCUPATIONAL ASTHMA

MARTIN P D
DEP. OF CHEST MED., WELLINGTON HOSP., WELLINGTON, NZ.
ANNUAL MEETING OF THE ROYAL AUSTRALASIAN COLLEGE OF
PHYSICIANS, WELLINGTON, N.Z., FEB. 8-12, 1981. AUST N Z J MED
11 (3). 1981. 339. Coden: ANZJB

Language: ENGLISH

Descriptors: ABSTRACT HUMAN

Concept Codes: GENL BIOL-SYMPOSIA,PROCDNGS,REVW(00520);
RESPIRATORY SYST-PATHOLOGY(+16006); TOXICOL-ENVIRONMNTL,INDUS-
IR(+22506); IMMUNOL/IMMUNOCHEM-IMMUNOPATHOL(+34508); ALLERGY(+
35500); ENVIRON HEALTH-OCCUPATNL HEALTH(+37013)

Biosystematic Codes: HOMINIDAE(86215)

22017159

ENZYMES AND PROTEINS IN URINE AS INDICES OF INJURY TO THE KIDNEY

STONARD M D; GORE C W; SMITH I K; TAYLOR M L
 IMP. CHEM. IND. LTD., CENT. TOXICOL. LAB., ALDERLEY PARK,
 CHESHIRE, SK10 4TJ, ENGL., UK.
 MEETING ON CHEMICAL INDICES AND MECHANISMS OF ORGAN-DIRECTED
 TOXICITY, BARCELONA, SPAIN, MARCH 4-7, 1981. GEN PHARMACOL
 12 (2). 1981. A8. Coden: GEPHD

Language: ENGLISH

Descriptors: ABSTRACT HUMAN RAT MERCURIC CHLORIDE HEXA
 CHLORO BUTADIENE PUROMYCIN AMINO NUCLEOSIDE N ACETYL-3
 GLUCOSAMINIDASE ALKALINE PHOSPHATASE ANIMAL MODEL OCCUPATIONAL
 HEALTH

Concept Codes: GENL BIOL-SYMPOSIA,PROCDNGS,REVW(00520);
 COMPARATIVE BIOCHEM-GENL STUDIES(10010); BIOCHEM METH-PROTNS,-
 PEPTDS,AM AC(+10054); BIOCHEM STUD-GENERAL(+10060); BIOCHEM
 STUD-PROTEINS,PEPTIDES,AMINO ACD(10064); MINERALS(10069);
 ENZYMES-GEN,COMPAR STUD,COENZYS(10802); ENZYMES-PHYSIOLOGICAL
 STUDIES(+10808); PATHOLOGY-COMPARATIVE(12503); PATHOLOGY-DIAG-
 NOSTIC(+12504); METABOLISM-GENL STUD,METAB PATHW(+13002);
 MINERALS(+13010); METABOLISM-PROTNS,PEPTDS,AM ACDS(+13012);
 URIN SYST/EXT SECR-GEN STUD,METH(15501); URIN SYST/EXT
 SECR-PATHOLOGY(+15506); TOXICOL-ENVIRONMNTL,INDUSTR(+22506);
 ENVIRON HEALTH-OCCUPATNL HEALTH(+37013); ENVIRON HEALTH-AIR,W-
 ATR,SL POLLN(+37015)

Biosystematic Codes: HOMINIDAE(86215); MURIDAE(86375)

22017113

EFFECT OF CASTRATION TESTOSTERONE AND REVERSE TRI IODO
 THYRONINE UPON SPONTANEOUS RELEASE OF TRANSMITTER IN A
 DIAPHRAGM PREPARATION OF A HIBERNATOR

MORAVEC J; NEDOMA J; ANDREWS J F; JANSKY L
 DEP. COMP. PHYSIOL., FAC. SCI., CHARLES UNIV., PRAGUE.
 MEETING OF THE CZECHOSLOVAK PHYSIOLOGICAL SOCIETY, FEB. 5-7,
 1980. PHYSIOL BOHEMOSLOV 29 (5). 1980 (RECD. 1981). 45B.
 Coden: PHBOB

Language: ENGLISH

Descriptors: ABSTRACT GOLDEN HAMSTER HORMONE-DRUG
 METABOLIC-DRUG ACETYL CHOLINE

Concept Codes: GENL BIOL-SYMPOSIA,PROCDNGS,REVW(00520);
 COMPARATIVE BIOCHEM-GENL STUDIES(10010); BIOCHEM STUD-PROTEIN-
 S,PEPTIDES,AMINO ACD(10064); BIOCHEM STUD-STEROLS,STEROIDS(10-
 067); MINERALS(10069); ANATOMY/HISTOL-EXPERIMENTAL(11104);
 METABOLISM-GENL STUD,METAB PATHW(13002); REPRODUCT SYST-GENL
 STUDS,METHS(+16501); ENDOCRINE SYST-ADRENALS(17004); ENDOCRINE
 SYST-GONADS,PLACENTA(+17006); ENDOCRINE SYST-THYROID(+17018);
 ENDOCRINE SYST-NEUROENDOCRINOLOG(+17020); MUSCLE SYST-PHYSIOL,
 BIOCHEM(+17504); NERVOUS SYST-PHYSIOL,BIOCHEM(+20504);
 PHARMACOL-DRUG METAB,METAB STIMU(+22003); PHARMACOL-ENDOCRINE
 SYST(+22016); PHARMACOL-NEUROPHARMACOLOGY(+22024); TEMPERATUR-
 E-THERMORHYTHMS(+23008)

Biosystematic Codes: CRICETIDAE(86310)

22009477

EFFECT OF ROTATING GRATINGS ON KITTEN AREA 17

VIDYASAGAR T R; GUEDES R

GOETTINGEN, FRG.

SYMPOSIUM ON VISUAL MECHANISMS IN PRIMATES AND LOWER MAMMALS
 AT THE 18TH INTERNATIONAL CONGRESS OF PHYSIOLOGICAL SCIENCES.
 BRAUNLAGE, WEST GERMANY, JULY 21-23, 1980. EXP BRAIN RES 41
 (1). 1980 (RECD. 1981). A16. Coden: EXBRA

Language: ENGLISH

Descriptors: ABSTRACT

Concept Codes: GENL BIOL-SYMPOSIA,PROCDNGS,REVW(00520);
 CYTOLOGY/CYTOCHEM-ANIMAL(02506); BIOCHEM STUD-NUCL ACD,PUINS,-
 PYRM(10062); BIOPHYS-GENERAL STUDIES(10502); PHYSIOLOGY-INSTR-
 UMENTATION(12004); MOVEMENT(12100); SENSE ORGANS-GENL
 STUDS,METHS(20001); SENSE ORGANS-PHYSIOL,BIOCHEM(+20004);
 NERVOUS SYST-GENL STUDS,METHS(20501); NERVOUS SYST-PHYSIOL,BI-
 OCHEM(+20504); PSYCHIATRY-PSYCHOPHYSIOLOGY(21003); PHARMACOL--
 NEUROPHARMACOLOGY(22024); PEDIATRICS(25000); DEVELOPMNTL
 BIOL-GEN MORPHGENSIS(25508)

Biosystematic Codes: FELIDAE(85770)

22009317

MOSSY, FIBER LESIONS ATTENUATE KAINIC-ACID INDUCED LIMBIC
 SEIZURES

LOTHMAN E W; COLLINS R C; ZUCKER D K; WOOTEN G F

DEP. NEUROL., ST. LOUIS CITY HOSP., 1515 LAFAYETTE ST., ST.
 LOUIS, MO. 63104.

ANNUAL MEETING OF THE AMERICAN EPILEPSY SOCIETY, SAN DIEGO,
 CALIF., USA, NOV. 1980. EPILEPSIA 22 (2). 1981. 229-230.
 Coden: EPILA

Language: ENGLISH

Descriptors: ABSTRACT RAT 2 DEOXY GLUCOSE AUTO RADIOGRAPHY

Concept Codes: GENL BIOL-SYMPOSIA,PROCDNGS,REVW(00520);
 PHOTOGRAPHY-METHS,MATLS,APPARAT(01012); RADIATION BIOL-RADTN,-
 ISOTOP TECH(06504); BIOCHEM STUD-GENERAL(10060); BIOCHEM
 STUD-CARBOHYDR.(10068); ANATOMY/HISTOL-RADIOLOGIC(11106); NER-
 VOUS SYST-GENL STUDS,METHS(20501); NERVOUS SYST-PATHOLOGY(+20-
 506); TOXICOL-GENL/EXP STUDS,METHS(+22501); PLANT PHYSIOL-CHEM
 CONSTITUENTS(51522)

Biosystematic Codes: RHODOPHYTA(14700); MURIDAE(86375)

22005466

UTILIZATION OF EXOGENOUS RETINOIDS BY BULL FROG PHOTO RECEPTORS

PERLMAN J I; PEPPERBERG O R
 DEP. OF BIOL. SCI., PURDUE UNIV., WEST LAFAYETTE, IN 47907.
 25TH ANNUAL MEETING OF THE BIOPHYSICAL SOCIETY, DENVER,
 COLO., USA, FEB. 23-25, 1981. BIOPHYS J 33 (2 PART 2), 1981.
 204A. Coden: BIOJA

Language: ENGLISH

Descriptors: ABSTRACT 11-CIS RETINAL 11-CIS RETINOL OPSIN
 VISUAL PIGMENT REGENERATION SPECTROPHOTOMETRY

Concept Codes: GENL BIOL-INFRMTN.DOCU.COMP APPL(00530);
 BIOCHEM METH-PROTNS,PEPTDS,AM AC(10054); BIOCHEM STUD-PROTEIN-
 S,PEPTIDES,AMINO ACD(10064); BIOCHEM STUD-LIPIDS(10066);
 BIOPHYS-GENERAL BIOPHYS TECH(10504); BIOPHYS-MOLECUL
 PROP,MACROMOLEC(10506); EXTERN EFF-LIGHT,DARKNESS(10604);
 METABOLISM-LIPIDS(+13006); METABOLISM-PROTNS,PEPTDS,AM ACDS(+
 13012); SENSE ORGANS-GENL STUDS,METHS(20001); SENSE
 ORGANS-PHYSIOL,BIOCHEM(+20004)

Biosystematic Codes: SALIENTIA(85306)

59034325 unavailable

59032423 unavailable

59028954 unavailable

59028911 unavailable

59028841 unavailable

59023282 unavailable

22005007

POST PARTUM DEPRESSION

VANDENBERGH R L
 UNIV. COLORADO HEALTH SCI. CENT., DENVER, CO.
 CLIN OBSTET GYNECOL 23 (4), 1980. 1105-1112. Coden:
 COGYA

Language: ENGLISH

Descriptors: CHILD BIRTH HOPKINS SYMPTOM CHECKLIST DIAGNOSIS
 TREATMENT

Concept Codes: BEHAVIOR BIOL-HUMAN BEHAVIOR(+07004);
 PATHOLOGY-DIAGNOSTIC(12504); PATHOLOGY-THERAPY(12512); REPROD-
 UCT SYST-GENL STUDS,METHS(+16501); NERVOUS SYST-GENL
 STUDS,METHS(20501); NERVOUS SYST-PATHOLOGY(+20506); PSYCHIATR-
 Y-GEN,MED PSYCHL/SOCIOL(21001); PSYCHIATRY-PSYCHPATH-DYNN,THE-
 RAP(+21002); PSYCHIATRY-PSYCHOPHYSIOLOGY(+21003)

Biosystematic Codes: HOMINIDAE(86215)

59040444 unavailable

59039845 unavailable

59034684 unavailable

59034432 unavailable

59019692 unavailable

72081277

NOTOCAULUS-GRILLOTI NEW-SPECIES FROM THE CONGO COLEOPTERA APHODIIDAE RHYPARINI

WALTER P
 SERVICE CULTUREL DE L'AMBASSADE DE FRANCE, B.P. 3093
 KINSHASA ZAIRE

REV FR ENTOMOL (NOUV.SER) 1 (3), 1979. 132-134. Coden:
 RFEND

Language: FRENCH

Descriptors: NOTOCAULUS-FELSCHI NOTOCAULUS-NIGROPICEUS
 NOTOCAULUS-HURNERI NOTOCAULUS-LATICOLLIS NOTOCAULUS-SCHOUTEDE-
 NI NOTOCAULUS-SCULPTURATUS NOTOCAULUS-NEUMANNI NOTOCAULUS-SAC-
 HTLEBENI AFFINITY DESCRIPTION

Concept Codes: GENL BIOL-TAXONOMY,NOMENCLATUR(00504);
 EVOLUTION(01500); ANATOMY/HISTOL-COMPARATIVE(+11103); ANIMAL
 DISTRIBUTION/ZOOGEOGRAPHY(+62800); INVERTB TAXN-INSECTA,COLEO-
 PTERA(+63573); INVERTB PHYSIOL-INSECTA-MORPHOL(+64074)

Biosystematic Codes: COLEOPTERA(+75304)

72080374

STUDIES ON THE CONSTRUCTION OF MANAGEMENT PLANTS FOR PRIVATE FORESTS 1. DETERMINATION OF HARVESTS AND CUTTING AREAS OF ARTIFICIAL FORESTS FOR CONSTRUCTING A DISTRICT FOREST PLAN

NAGUMO H; KOIKE A

FAC. OF AGRIC., UNIV. OF TOKYO, TOKYO 113.

J JPN FOR SOC 63 (3). 1981. 79-89. Coden: NIRKA

Language: JAPANESE

Descriptors: MODELS AGE CLASS DISTRIBUTION GROWING STOCK RE FORESTATION

Concept Codes: GENL BIOL-CONSERVTN, RES MNGMT(00512); MATHEMATIC BIOL/STATISTIC METH(+04500); ECOLOGY-PLANT(+07506); BIOPHYS-BIOENGINEERING(10511); PLANT PHYSIOL-GROWTH, DIFFERENTIAT(+51510); FORESTRY AND FOREST PRODUCTS(+53500)

Biosystematic Codes: SPERMATOPHYTA-UNSPECIFIED(25000)

72080373

WOOD DIS COLORATION AND DAMAGE TO TREES FROM STAPLED VINYL NUMBER PLATES

HAIBARA K; AIBA Y

FAC. OF AGRIC., TOKYO UNIV. OF AGRIC. AND TECH., FUCHU, TOKYO 183.

J JPN FOR SOC 63 (3). 1981. 97-99. Coden: NIRKA

Language: JAPANESE

Descriptors: RADIAL SECTIONS OVERGROWTH

Concept Codes: GENERAL FIELD METHODS(+01008); PLANT MORPHOL. EMBRYOL. ANATOMY(51000); PLANT PHYSIOL-GROWTH, DIFFERENTIAT(+51510); FORESTRY AND FOREST PRODUCTS(+53500); PHYTOPATHOL-NONPARASITIC DISEASE(+54512)

Biosystematic Codes: SPERMATOPHYTA-UNSPECIFIED(25000)

72075355

LARGE DENSE CORE VESICLE EXOCYTOSIS AND MEMBRANE RE CYCLING IN THE MOSSY FIBER SYNAPSES OF THE RABBIT HIPPOCAMPUS DURING EPILEPTIFORM SEIZURES

NITSCH C; RINNE U

DEP. NEUROBIOL., MAX-PLANCK-INST. HIRNFORSCHUNG, DEUTSCHORDENSTR. 46, D-6000 FRANKFURT-AM-MAIN 71, W. GER.

J NEUROCYTOL 10 (2). 1981. 201-220. Coden: JNCYA

Language: ENGLISH

Descriptors: ETHER NEMBUTAL GENERAL ANESTHETIC METHOXY PYRIDOXINE CONVULSANT

Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(+02506); BIOCHEM-GASES(10012); BIOCHEM STUD-GENERAL(10060); BIOCHEM STUD-NUCL ACD, PURNS, PYRM(10062); BIOPHYS-MEMBRANE PHENOMENA(10508); EXTERN EFF-ELECTR, MAGNET, GRAVITY(10610); ANATOMY/HISTOL-MICRO, ULTRAMICRSC(+11108); METABOLISM-ENERGY, RESPIRATION(13003); NERVOUS SYST-GENL STUDS, METHS(20501); NERVOUS SYST-ANATOMY(+20502); NERVOUS SYST-PATHOLOGY(+20506); PHARMACOL-NEUROPHARMAC- OLOGY(22024); DEVELOPMNTL BIOL-GENL, DESCRIPTIVE(25502)

Biosystematic Codes: LEPORIDAE(86040)

72071254

ORIGINS OF CHIRALITY IN NATURE A REASSESSMENT OF THE POSTULATED ROLE OF BENTONITE

YOUATT J B; BROWN R D

DEP. CHEM., MONASH UNIV., CLAYTON, VICTORIA 3168, AUST.

SCIENCE (WASH D C) 212 (4499). 1981. 1145-1146. Coden:

SCIEA

Language: ENGLISH

Descriptors: AMINO-ACIDS SUGARS RADIOCHEMICAL DECOMPOSITION

Concept Codes: EVOLUTION(+01500); RADIATION BIOL-RADTN, ISOT- OP TECH(06504); BIOCHEM STUD-GENERAL(+10060); BIOCHEM STUD-PROTEINS, PEPTIDES, AMINO ACD(+10064); BIOCHEM STUD-CARBOH- YDR.(+10068)

72058014

QUANTITATIVE STUDY OF THE PRE NATAL HUMAN CERVICAL CORD

KOJIMA T; KATO S; TAKENAKA Y; HAYASHI A

THE SECOND DEP. ANATOMY, N.U.S.M.

NICHIDAI IGAKU ZASSHI 40 (1). 1981. 21-30. Coden: NICH

Language: JAPANESE

Descriptors: NEUROGENESIS GLIOGENESIS MITOSIS

Concept Codes: CYTOLOGY/CYTOCHEM-HUMAN(+02508); CHORDATE BODY REGNS-EXTREMITIES(11318); NERVOUS SYST-ANATOMY(+20502); NERVOUS SYST-PHYSIOL, BIOCHEM(+20504); DEVELOPMNTL BIOL-GENL, D- ESCRIPTIVE(+25502); DEVELOPMNTL BIOL-GEN MORPHGENESIS(+25508)

Biosystematic Codes: HOMINIDAE(86215)

72056031

NUMBER OF LATTICE DEGENERATIONS IN EYES WITH RETINAL DETACHMENT

OGINO N

DEP. OPHTHALMOL., FAC. MED., KYOTO UNIV., 54 SHOGGIN KAWARA, SAKYO, KYOTO 606, JPN.

ACTA SOC OPHTHALMOL JPN 85 (3). 1981. 254-257. Coden:

NGZAA

Language: JAPANESE

Descriptors: HUMAN MYOPIA AGING

Concept Codes: ANATOMY/HISTOL-MICRO, ULTRAMICRSC(11108); PATHOLOGY-DIAGNOSTIC(12504); PATHOLOGY-NECROSIS(12510); SENSE ORGANS-ANATOMY(20002); SENSE ORGANS-PATHOLOGY(+20006); GERONTOLOGY(24500)

Biosystematic Codes: HOMINIDAE(86215)

72055538

THERMO RESISTANCE OF PATHOGENIC DERMATOPHYTES AND CANDIDA-ALBICANS UNDER SAUNA-LIKE CONDITIONS

KOCK B-W

HAUTKLINIK LINDEN MMH, RICKLINGER STRASSE 5, 3000 HANNOVER 91.

MYKOSEN 24 (1), 1981, 33-37. Coden: MYKSA

Language: GERMAN

Descriptors: AIR MOISTURE WOOD GLASS

Concept Codes: BIOCHEM-PHYSIOLOG WATER STUD(10011); BIOCHEM-GASES(10012); BIOCHEM STUD-GENERAL(10060); EXTERN EFF-HOT(+10618); INTEGUMENT SYST-GENL STUDS,METHS(18501); INTEGUMENT SYST-PATHOLOGY(+18506); TEMPERATURE-GENL,METHS(230-01); MED/CLIN MICROBIOL-GEN,METH,TECH(36001); MED/CLIN MICROBIOL-MYCOLOGY(+36008); EPIDEMIOLOG-COMMUNICABLE DISEASES(3-7052); PUB HEALTH-INANIMATE DIS VECTORS(+37060); PUB HEALTH MICROBIOL(37400); PLANT PHYSIOL-WATER RELATIONS(+51502); PLANT PHYSIOL-TEMPERATURE(+51503); PLANT PHYSIOL-GROWTH,DIFFERENTIAT-(51510); PLANT PHYSIOL-GENL,MISCELL STUDS(51526)

Biosystematic Codes: DEUTEROMYCETES(15500); ANGIOSPERMAE-UNSPECIFIED(25200)

72047108

IDENTIFICATION OF PREPOSITUS NEURONS PROJECTING TO THE OCULO MOTOR NUCLEUS IN THE ALERT CAT

LOPEZ-BARNEO J; RIBAS J; DELGADO-GARCIA J M

DEP. DE FISIOL., FAC. DE MED., AVDA. SANCHEZ PIZJUAN 4, SEVILLA 9, SPAIN.

BRAIN RES 214 (1), 1981, 174-179. Coden: BRREA

Language: ENGLISH

Descriptors: HYPOGLOSSI NUCLEUS EYE

Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(+02506); BIOPHYS-GENERAL STUDIES(10502); BIOPHYS-GENERAL BIOPHYS TECH(10504); SENSE ORGANS-PHYSIOL,BIOCHEM(+20004); NERVOUS SYST-GENL STUDS,METHS(20501); NERVOUS SYST-PHYSIOL,BIOCHEM(+20504)

Biosystematic Codes: FELIDAE(85770)

72038423

WIDESPREAD DISCOID LUPUS ERYTHEMATOSUS

FUJIMOTO W; FUKUSHIRO S

DEP. OF DERMATOL., OKAYAMA UNIV. MED. SCI., OKAYAMA, JAPAN.

NISHIHIMON J DERMATOL 43 (1), 1981, 21-25. Coden: NNHIA

Language: JAPANESE

Descriptors: HUMAN ERYTHEMA IMMUNO GLOBULIN G COMPLEMENT HYALINE BODY

Concept Codes: MICROSCOPY-HISTOL,HISTOCHEM TECH(01056); CYTOLOGY/CYTOCHEM-HUMAN(02508); CLIN BIOCHEM-GENL STUDIES(100-06); BIOCHEM METH-PROTNS,PEPTOS,AM AC(10054); BIOCHEM METH-CARBOHYDRATES(10058); BIOCHEM STUD-PROTEINS,PEPTIDES,AMINO ACD(10064); BIOCHEM STUD-CARBOHYDR.(10068); BIOPHYS-MOLECUL PROP,MACROMOLEC(10506); ANATOMY/HISTOL-MICRO,ULTRAMICRSC(11108); CHORDATE BODY REGNS-FACIAL(11306); CHORDATE BODY REGNS-EXTREMITIES(11318); PATHOLOGY-COMPARATIVE(12503); PATHOLOGY-DIAGNOSTIC(12504);

PATHOLOGY-INFLAMMATN,INFLAM DIS(12508); METABOLISM-CARBOHYDRATES(+13004); METABOLISM-PROTNS,PEPTDS,AM ACDS(+13012); BLOOD/BODY FLDS-BLOOD,LYMPH STUD(+15002); BONE,JNTS,FASC,CONN-/ADIP-GENL(18001); BONE,JNTS,FASC,CONN/ADIP-PATHOL(+18006); INTEGUMENT SYST-GENL STUDS,METHS(18501); INTEGUMENT SYST-PATHOLOGY(+18506); IMMUNOL/IMMUNOCHEM-GEN METH(34502); IMMUNOL/IMMUNOCHEM-IMMUNOPATHOL(+34508)

Biosystematic Codes: HOMINIDAE(86215)

72037050

A BAND OF ALKALINE PHOSPHATASE ACTIVITY IN THE CRYPTS OF MOUSE DUODENAL EPITHELIUM

BJERKNES M; CHENG H

DEP. ANAT., MED. SCI. BUILD., UNIV. TORONTO, TORONTO, ONT., CAN. M5S 1A8,

J HISTOCHEM CYTOCHEM 29 (4), 1981, 519-524. Coden: JHCYA

Language: ENGLISH

Descriptors: EPITHELIAL CELL HISTOCHEMISTRY FREEZE THAW CYCLE

Concept Codes: MICROSCOPY-HISTOL,HISTOCHEM TECH(01056); CYTOLOGY/CYTOCHEM-ANIMAL(02506); CIRCADIAN RHYTHM/PERIODIC CYCLES(07200); COMPARATIVE BIOCHEM-GENL STUDIES(10010); BIOCHEM STUD-GENERAL(10060); BIOCHEM STUD-PROTEINS,PEPTIDES,AMINO ACD(10064); BIOPHYS-GENERAL BIOPHYS TECH(10504); EXTERN EFF-PHYSICAL,MECH EFFECTS(10612); EXTERN EFF-COLD(10616); ENZYMES-GEN,COMPAR STUD,COENZYMES(10802); ENZYMES-METHODS(1080-4); ENZYMES-CHEM,PHYSICAL STUDIES(+10806); ENZYMES-PHYSIOLOGICAL STUDIES(+10808); ANATOMY/HISTOL-MICRO,ULTRAMICRSC(11108); METABOLISM-GENL STUD,METAB PATHW(13002); METABOLISM-PROTNS,PEPTOS,AM ACDS(13012); DIGESTIVE SYST-ANATOMY(14002); DIGESTIVE SYST-PHYSIOL,BIOCHEM(+14004); TEMPERATURE-GENL,METHS(23001); TEMPERATURE-CRYOBIOLOGY(23004); TISS CULTURE-APPARAT,METHS,MEDIA(32500); IN VITRO STUDS-CELLULR,SUBCELL(32600)

Biosystematic Codes: MURIDAE(86375)

72036402

PERMANENT PACEMAKER IMPLANTATION IN PATIENTS OVER 80 YEARS OF AGE

MATSUURA Y; TAMURA M; YAMASHINA H; HIGO M
DEPARTMENT OF THORACIC AND CARDIOVASCULAR SURGERY, HIROSHIMA
PREFECTURAL HOSPITAL, 1-1-54 UJINAKANDA, MINAMIKU, HIROSHIMA,
JAPAN, 743.

ARTIF ORGANS (CLEVE) 5 (1). 1981. 82-85. Coden: ARORD
Language: ENGLISH
Descriptors: ATRID VENTRICULAR BLOCK SICK SINUS SYNDROME
SLOW HEART BEAT ATRIAL FIBRILLATION

Concept Codes: BIOPHYS-BIOENGINEERING(+10511); ANATOMY/HIST-
OL-SURGERY(11105); PATHOLOGY-THERAPY(12512); CARDIOVASC
SYST-GENL STUDS,METHS(+14501); CARDIOVASC SYST-HEART
PATHOLOGY(+14506); GERONTOLOGY(+24500)

Biosystematic Codes: HOMINIDAE(86215)

72034936

EFFECT OF HEAT STRESS ON RESPIRATION RATE PULSE RATE BODY TEMPERATURE AND BODY WEIGHT OF BUFFALO CALVES

YOUNAS M; AHMAD CH N; KHAN B B
DEP. LIVESTOCK MANAGEMENT, FAC. ANIM. HUSBANDRY, UNIV.
AGRIC., FAISALABAD.

PAK J SCI RES 31 (3-4). 1979 (RECD. 1981). 181-186.
Coden: PJSRA

Language: ENGLISH
Descriptors: HYPER THERMIA
Concept Codes: ECOLOGY-ANIMAL(07508); EXTERN EFF-HOT(+10618)
; EXTERN EFF-HUMIDITY(10620); PHYSIOLOGY-GENERAL STUDIES(1200-
2); PHYSIOLOGY-COMPARATIVE(12003); PHYSIOLOGY-METHODS(12006);
PHYSIOLOGY-STRESS(12008); CARDIOVASC SYST-GENL STUDS,METHS(14-
501); CARDIOVASC SYST-PHYSIOL,BIOCHEM(+14504); RESPIRATORY
SYST-GENL STUD,METHS(16001); RESPIRATORY SYST-PHYSIOL,BIOCHEM-
(+16004); TEMPERATURE-GENL,METHS(23001); TEMPERATURE-HYPO,HYP-
ERTHERMIA(+23006); TEMPERATURE-THERMOPATHOLOGY(+23007); TEMPE-
RATURE-THERMOREGULATION(+23012); PEDIATRICS(25000); ANIMAL
PRODUCTN-GENL STUDS,METHS(26502); VETERINARY SCI-PATHOLOGY(+3-
8004)

Biosystematic Codes: BOVIDAE(85715)

72034581

THE PSEUDOUNICORN UTERUS WITH EARLY NONCOMMUNICATING UTERINE CORNUA CIRCUMSTANCES OF DIAGNOSIS AND COMPLICATIONS 3 CASES

SANDER G; BARDIAUX M
SERV. GYNECOL.-OBSTET., CENT. HOSP., ROUTE DE MITRY, 93602
AULNAY-SOUS-BOIS.

REV FR GYNECOL OBSTET 75 (10). 1980 (RECD. 1981).
569-573. Coden: RFGOA

Language: FRENCH
Descriptors: HUMAN PREGNANCY INTRA PERITONEAL HEMORRHIAGE
Concept Codes: PHOTOGRAPHY-METHS,MATLS,APPARAT(01012);
RADIATION BIOL-RADTN,ISOTOP TECH(06504); ANATOMY/HISTOL-SURGE-
RY(11105); ANATOMY/HISTOL-RADIOLOGIC(11106); PATHOLOGY-DIAGNO-
STIC(+12504); CARDIOVASC SYST-REL VESS PATHOL(+14502).

REPRODUCT SYST-GENL STUDS,METHS(16501); REPRODUCT SYST-PATHOL-
OGY(+16506); DEVELOPMNTL BIOL-PATHOLOGICAL(+25503)

Biosystematic Codes: HOMINIDAE(86215)

72034580

GRAVIGARDE IS THE BROKEN LINE ADAPTED TO THE UTERINE CAVITY 10 CASES

SCHIOCHET F; SCHIOCHET D; SERVENT B; FOURNIER R
SERV. GYNECOL.-OBSTET., CENT. HOSP., 67504 HAGUENAU CEDEX.
REV FR GYNECOL OBSTET 75 (10). 1980 (RECD. 1981).
559-563. Coden: RFGOA

Language: FRENCH
Descriptors: HUMAN COPPER INTRA UTERINE DEVICE MYOMETRIAL
PENETRATION HYSTERO SALPINGOGRAPHY PAINFUL MENORRHEA
METROPHAGIA DYS MENORRHEA

Concept Codes: PHOTOGRAPHY-METHS,MATLS,APPARAT(01012);
RADIATION BIOL-RADTN,ISOTOP TECH(06504); MINERALS(10069);
ANATOMY/HISTOL-RADIOLOGIC(11106); REPRODUCT SYST-GENL STUDS,M-
ETHS(+16501); REPRODUCT SYST-PATHOLOGY(+16506); NERVOUS
SYST-PATHOLOGY(+20506)

Biosystematic Codes: HOMINIDAE(86215); BIOSIS INTERNAL USE(97100)

72033731

EFFECTS OF BETA ADRENERGIC BLOCKADE ON HISTAMINE AND PROSTAGLANDIN F-2-ALPHA RESPONSIVENESS IN THE DOG

SNAPPER J R; BRAASCH P S; INGRAM R H JR; LORING S H; DRAZEN J M

RESPIRATORY DIV., PETER BENT BRIGHAM HOSPITAL, BOSTON, MA. 02115.

J ALLERGY CLIN IMMUNOL 67 (3). 1981. 199-205. Coden: JACIB

Language: ENGLISH

Descriptors: HORMONE-DRUG PROPRANOLOL AUTONOMIC-DRUG PHARMACODYNAMICS

Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(*02506); COMPARATIVE BIOCHEM-GENL STUDIES(10010); BIOCHEM STUD-GENERAL(10060); BIOCHEM STUD-PROTEINS, PEPTIDES, AMINO ACID(10064); BIOCHEM STUD-LIPIDS(10066); BIOPHYS-MOLECUL PROP, MACROMOLEC(10506); BIOPHYS-MEMBRANE PHENOMENA(*10508); METABOLISM-GENL STUD, METAB PATHW(13002); METABOLISM-LIPIDS(13006); METABOLISM-PROTNS, PEPTDS, AM ACDS(13012); RESPIRATORY SYST-GENL STUD, METHS(16001); RESPIRATORY SYST-PHYSIOL, BIOCHEM(*16004); ENDOCRINE SYST-GENERAL STUDIES(*17002); MUSCLE SYST-PHYSIOL, BIOCHEM(*17504); NERVOUS SYST-GENL STUDS, METHS(20501); NERVOUS SYST-PHYSIOL, BIOCHEM(*20504); PHARMACOL-DRUG METAB, METAB STIMU(22003); PHARMACOL-ENDOCRINE SYST(*22016); PHARMACOL-MUSCLE SYST(*2202-2); PHARMACOL-NEUROPHARMACOLOGY(*22024); PHARMACOL-RESPIRATORY SYST(*22030); ROUTES OF IMMUNIZ, INFECT, THERAP(22100); TOXICOL-PHARMACOLOGICAL(22504)

Biosystematic Codes: CANIDAE(85765)

72032875

AN ELECTRON MICROSCOPIC STUDY OF THE AFFERENT CONNECTIONS OF THE LATERAL RETICULAR NUCLEUS OF THE CAT

HRYCYSZYN A W; FLUMERFELT B A

DEP. ANAT., UNIV. WEST. ONT., LOND., ONT., CAN.

J COMP NEUROL 197 (3). 1981. 503-516. Coden: JCNEA

Language: ENGLISH

Descriptors: SPINAL CORD CEREBELLUM RED NUCLEUS MOTOR CORTEX FEEDBACK

Concept Codes: ELECTRON MICROSCOPY(01058); CYTOLOGY/CYTOCHEM-ANIMAL(*02506); BIOPHYS-GENERAL BIOPHYS TECH(10504); BIOPHYS-BIOCYBERNETICS(10515); ANATOMY/HISTOL-MICRO, ULTRAMICRSC(*11108); CHORDATE BODY REGNS-NECK(11308); MOVEMENT(12100); MUSCLE SYST-PHYSIOL, BIOCHEM(*17504); NERVOUS SYST-GENL STUDS, METHS(20501); NERVOUS SYST-ANATOMY(*20502); NERVOUS SYST-PHYSIOL, BIOCHEM(*20504); NERVOUS SYST-PATHOLOGY(20506)

Biosystematic Codes: FELIDAE(85770)

72023775

ADAPTATION OF THE METHOD OF SUGARS DETERMINATION BY GAS CHROMATOGRAPHY AND CHARACTERISTICS OF THEIR OCCURRENCE IN CHOSEN VEGETABLES

HORBOWICZ M; CZAPSKI J; BAKOWSKI J

96-100 SKTERNIEWICE 22 1980 1/2

ACTA ALIMENT POL 6 (4). 1980 (RECD. 1981). 227-236. Coden: AAPOD

Language: ENGLISH

Descriptors: LEAD SALT PRECIPITATION FRUCTOSE GLUCOSE SUCROSE MALTOSE RAFFINOSE STACHYOSE MANNITOL INOSITOL

Concept Codes: GENERAL LABORATORY METHODS(01004); COMPARATIVE BIOCHEM-GENL STUDIES(10010); BIOCHEM METH-CARBOHYDRATES(*10058); BIOCHEM STUD-GENERAL(10060); BIOCHEM STUD-CARBOHYDR.(10068); MINERALS(10069); BIOPHYS-GENERAL BIOPHYS TECH(10504); BIOPHYS-MOLECUL PROP, MACROMOLEC(10506); MOVEMENT(12100); NUTRITION-CARBOHYDRATES(13220); FOOD TECH-FRUIT, NUTS, VEGETABLES(*13504); FOOD TECH-EVALNS PHYS, CHEM PROPS(*13530); PLANT PHYSIOL-CHEM CONSTITUENTS(51522); PLANT PHYSIOL-APPARATUS, METHODS(51524); HORTICULT-VEGETABLES(-53008)

Biosystematic Codes: ANGIOSPERMAE-UNSPECIFIED(25200)

72023638

CHARACTERISTICS OF SULFHYDRYL OXIDASE ISOLATED BY A SIMPLE CHROMATOGRAPHIC PROCEDURE

JANOLINO V G; CLARE D A; SWAISGOOD H E

DEP. FOOD SCI., N.C. STATE UNIV., RALEIGH, N.C. 27650, USA.

BIOCHIM BIOPHYS ACTA 658 (2). 1981. 406-409. Coden: BBACA

Language: ENGLISH

Descriptors: WHEY RABBIT ANTI BOVINE XANTHINE OXIDASE ANTIBODY AMMONIUM SULFATE PRECIPITATION

Concept Codes: BIOCHEM METH-PROTNS, PEPTDS, AM AC(10054); BIOCHEM STUD-GENERAL(10060); BIOCHEM STUD-PROTEINS, PEPTIDES, AMINO ACID(10064); BIOPHYS-GENERAL BIOPHYS TECH(10504); ENZYMES-METHODS(*10804); ENZYMES-CHEM, PHYSICAL STUDIES(*10806); MOVEMENT(12100); FOOD TECH-DAIRY PRODUCTS(*13518); FOOD TECH-EVALNS PHYS, CHEM. PROPS(*13530); IMMUNOL/IMMUNOCHEM-GEN METH(34502)

Biosystematic Codes: BOVIDAE(85715); LEPORIDAE(86040)

72023307

MORPHOLOGY HISTOCHEMISTRY AND DISTRIBUTION OF SEROTONIN CONTAINING CELLS IN TRACHEAL EPITHELIUM OF ADULT RABBIT
DEY R D; ECHT R; DINERSTEIN R J
VETERANS ADM. MED. CENT., SECT. 111F, DALLAS, TEX. 75216, USA.

ANAT REC 199 (1). 1981. 23-32. Coden: ANREA

Language: ENGLISH

Descriptors: RESERPINE L DOPA METABOLIC-DRUG

Concept Codes: MICROSCOPY-GENL, SPECL TECHNIQUES(01052); MICROSCOPY-HISTOL, HISTOCHEM TECH(01056); CYTOLOGY/CYTOCHEM-ANIMAL(+02506); BIOCHEM METH-PROTNS, PEPTDS, AM AC(10054); BIOCHEM STUD-GENERAL(10060); BIOCHEM STUD-PROTEINS, PEPTIDES, AMINO ACD(10064); BIOPHYS-GENERAL BIOPHYS TECH(10504); EXTERN EFF-COLD(10616); ANATOMY/HISTOL-MICRO, ULTRAMICRSC(+11108); METABOLISM-GENL STUD, METAB PATHW(+13002); METABOLISM-PROTNS, PEPTDS, AM ACDS(+13012); RESPIRATORY SYST-GENL STUD, METHS(+1600-1); RESPIRATORY SYST-ANATOMY(+16002); RESPIRATORY SYST-PHYSIOL, BIOCHEM(+16004); ENDOCRINE SYST-GENERAL STUDIES(+17002); ENDOCRINE SYST-NEUROENDOCRINOLOGY(+17020); NERVOUS SYST-PHYSIOL, BIOCHEM(+20504); PHARMACOL-DRUG METAB, METAB STIMU(22003); PHARMACOL-NEUROPHARMACOLOGY(22024); PHARMACOL-RESPIRATORY SYST(22030); TEMPERATURE-GENL, METHS(23001); TEMPERATURE-CRYOBIOLOGY(23004); PLANT PHYSIOL-CHEM CONSTITUENTS(51522); PHARMACOGNOSY/PHARMACEUT BOTANY(54000)

Biosystematic Codes: APOCYNACEAE(25580); LEPORIDAE(86040)

72004016

ISOLATION AND CHARACTERIZATION OF A MYELOMA SPLEEN CELL HYBRID PRODUCING ANTIBODY TO PHENYL ALANINE HYDROXYLASE
COTTON R G H; JENNINGS I G; FOWLER K; CHOO K H
GENET. RES. UNIT, R. CHILD. HOSP. RES. FOUND., FLEMINGTON RD., PARKVILLE, VIC. 3052, AUSTRALIA.
BIOCHEM J 191 (3). 1980 (RECD. 1981). 777-784. Coden: BIJOA

Language: ENGLISH

Descriptors: HUMAN MOUSE MONKEY RAT IMMUNO DIFFUSION ELECTROPHORESIS

Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(+02506); COMPARATIVE BIOCHEM-GENL STUDIES(10010); BIOCHEM METH-PROTNS, PEPTDS, AM AC(10054); BIOCHEM METH-CARBOHYDRATES(10058); BIOCHEM STUD-GENERAL(10060); BIOCHEM STUD-PROTEINS, PEPTIDES, AMINO ACD(10064); BIOCHEM STUD-CARBOHYDR. (10068); BIOPHYS-GENERAL BIOPHYS TECH(10504); ENZYMES-METHODS(+10804); ENZYMES-PHYSIOLOGICAL STUDIES(+10808); PHYSIOLOGY-COMPARATIVE(12003); MOVEMENT(12100); METABOLISM-CARBOHYDRATES(13004); METABOLISM-PROTNS, PEPTDS, AM ACDS(+13012); DIGESTIVE SYST-PHYSIOL, BIOCHEM(14004); BLOOD/BODY FLDS-BLD, LYM, RES PATH(15006); BLOOD/BODY FLDS-LYMPHAT TISS, RES(+15008); NEOPLSMS/NEOPL AGNTS-IMMUNOLOGY(24003); NEOPLSMS/NEOPL AGNTS-CELL LINE(+24005); NEOPLSMS/NEOPL AGNTS-BIOCHEM(+24006); NEOPLSMS/NEOPL AGNTS-BLOOD, RES(+24010); TISS CULTURE-APPARAT, METHS, MEDIA(32500); IN VITRO STUDS-CELLULR, SUBCELL(32600); IMMUNOL/IMMUNOCHEM-GEN METH(+34502); IMMUNOL/IMMUNOCHEM-IMMUNOPATHOL(+34508)

Biosystematic Codes: PRIMATES-UNSPECIFIED(06190); HOMINIDAE(86215); MURIDAE(86375)

72004015

DETECTION OF ANTI TUMOR ANTIBODIES IN PATIENTS WITH TONSILLAR CARCINOMA
MANG W L; HAMMER C; GRUBER F; WEINFURTER F; ALLMELING A; BRENDL W
HNO-KLIN. TUM. KLIN. RECHTS DER ISAR, ISMANINGERSTR. 22, 8000 MUENCHEN 80.

LARYNGOL RHINOL OTOL 60 (1). 1981. 11-15. Coden: LROTD
Language: GERMAN

Descriptors: SQUAMOUS CELL CARCINOMA IMMUNO GLOBULIN G
Concept Codes: CLIN BIOCHEM-GENL STUDIES(10006); BIOCHEM METH-PROTNS, PEPTDS, AM AC(10054); BIOCHEM METH-CARBOHYDRATES(10058); BIOCHEM STUD-PROTEINS, PEPTIDES, AMINO ACD(10064); BIOCHEM STUD-CARBOHYDR. (10068); PATHOLOGY-COMPARATIVE(12503); METABOLISM-CARBOHYDRATES(13004); METABOLISM-PROTNS, PEPTDS, AM ACDS(13012); BLOOD/BODY FLDS-BLOOD, LYM, RES PATH(15006); BLOOD/BODY FLDS-LYMPHAT TISS, RES(15008); URIN SYST/EXT SECR-PATHOLOGY(15506); DENTAL/ORAL BIOL-GENL STUD, METHS(19001); DENTAL/ORAL BIOL-PATHOLOGY(+19006); NEOPLSMS/NEOPL AGNTS-IMMUNOLOGY(+24003); NEOPLSMS/NEOPL AGNTS-BIOCHEM(24006); IMMUNOL/IMMUNOCHEM-GEN METH(+34502)

Biosystematic Codes: HOMINIDAE(86215)

72004014

SPECIFIC ANTIGENS OF ACUTE LYMPHOBLASTIC LEUKEMIA IN CHILDREN

KOMADA Y
DEP. PEDIATR., MIE UNIV. SCH. MED., TSU.
MIE MED J 30 (1). 1980 (RECD. 1981). 57-74. Coden: MMJJA

Language: ENGLISH

Descriptors: RABBIT ANTI SERA IMMUNO THERAPY
Concept Codes: CYTOLOGY/CYTOCHEM-HUMAN(02508); BIOCHEM STUD-PROTEINS, PEPTIDES, AMINO ACD(10064); BIOCHEM STUD-CARBOHYDR. (10068); BIOPHYS-MEMBRANE PHENOMENA(10508); PATHOLOGY-COMPARATIVE(12503); PATHOLOGY-THERAPY(12512); BLOOD/BODY FLDS-BLOOD, LYM, RES PATH(15006); BLOOD/BODY FLDS-LYMPHAT TISS, RES(15008); ENDOCRINE SYST-THYMUS(17016); BONE, JNTS, FASC, CONN/ADIP-GENL(18001); NEOPLSMS/NEOPL AGNTS-IMMUNOLOGY(+24003); NEOPLSMS/NEOPL AGNTS-BIOCHEM(24006); NEOPLSMS/NEOPL AGNTS-THERAP, AGNT(24008); NEOPLSMS/NEOPL AGNTS-BLOOD, RES(+24010); PEDIATRICS(+25000); DEVELOPMNTL BIOL-GENL, DESCRIPTIVE(25502); IMMUNOL/IMMUNOCHEM-GEN, METH(34502); IMMUNOL/IMMUNOCHEM-IMMUNOPATHOL(+34508)

Biosystematic Codes: LEPORIDAE(86040); HOMINIDAE(86215)

72004013

INFLAMMATORY ONCO TAXIS AFTER TESTING THE SKIN OF THE CANCER PATIENT

SHINE T; WALLACK M K
DEPARTMENT OF SURGERY, WASHINGTON UNIVERSITY SCHOOL OF
MEDICINE, 4960 AUDUBON AVE., ST. LOUIS, MO. 63110.
CANCER (PHILA) 47 (6). 1981. 1325-1328. Coden: CANCA

Language: ENGLISH
Descriptors: COLON ADENO CARCINOMA METASTASIS DI NITROCHLORO
BENZENE

Concept Codes: BIOCHEM STUD-GENERAL(10060); PATHOLOGY-INFLA-
MMATN,INFLAM DIS(+12508); DIGESTIVE SYST-PATHOLOGY(+14006);
INTEGUMENT SYST-GENL STUDS,METHS(18501); ROUTES OF
IMMUNIZ,INFECT,THERAP(22100); TOXICOL-GENL/EXP STUDS,METHS(22-
501); NEOPLSMS/NEOPL AGNTS-IMMUNOLOGY(+24003); IMMUNOL/IMMUNO-
CHEM-IMMUNOPATHOL(+34508); ALLERGY(35500)

Biosystematic Codes: HOMINIDAE(86215)

72004012

THE ROLE OF T CELL SETS IN THE REJECTION OF A METHYL
CHOLANTHRENE INDUCED SARCOMA S-1509A IN SYNGENEIC MICE

BHAN A K; PERRY L L; CANTOR H; MCCLUSKEY R T; BENACERRAF B;
GREENE M I

DEP. PATHOL., BOX 5, MASS. GEN. HOSP., BOSTON, MASS. 02114,
USA.

AM J PATHOL 102 (1). 1981. 20-27. Coden: AJPA

Language: ENGLISH

Descriptors: LYMPH NODES SPLEEN DELAYED HYPER SENSITIVITY

Concept Codes: MICROSCOPY-HISTOL,HISTOCHEM TECH(01056);
CYTOLOGY/CYTOCHEM-ANIMAL(02506);
GENETICS/CYTOGENET-ANIMAL(03506); BIOCHEM STUD-GENERAL(10060);
BIOCHEM STUD-PROTEINS,PEPTIDES,AMINO ACID(10064); BIOCHEM
STUD-CARBOHYDR.(10068);
ANATOMY/HISTOL-MICRO,ULTRAMICRSC(11108);

PATHOLOGY-INFLAMMATN,INFLAM DIS(12508); BLOOD/BODY FLDS-BLOOD-
LYMPH STUD(15002); BLOOD/BODY FLDS-BLOOD CELL STUDS(15004);
BLOOD/BODY FLDS-LYMPHAT TISS,RES(+15008); ENDOCRINE
SYST-THYMUS(+17016); INTEGUMENT SYST-GENL STUDS,METHS(18501);
INTEGUMENT SYST-PATHOLOGY(+18506); ROUTES OF IMMUNIZ,INFECT,T-
HERAP(22100); TOXICOL-GENL/EXP STUDS,METHS(22501); NEOPLSMS/N-
EOPL AGNTS-IMMUNOLOGY(+24003); NEOPLSMS/NEOPL AGNTS-CARCINOGE-
NS(+24007); IMMUNOL/IMMUNOCHEM-GEN METH(34502); IMMUNOL/IMMUN-
OCHEM-IMMUNOPATHOL(+34508); ALLERGY(35500)

Biosystematic Codes: MURIDAE(86375)

72004011

IMMUNO GLOBULIN D MYELOMA WITH INTRA CYTOPLASMIC CRYSTALLINE
INCLUSIONS

JENNETTE J C; WILKMAN A S; BENSON J D
DEP. PATHOL., SCH. MED., UNIV. NORTH CAROLINA, CHAPEL HILL,
NORTH CAROLINA 27514.

AM J CLIN PATHOL 75 (2). 1981. 231-235. Coden: AJCPA

Language: ENGLISH

Descriptors: HUMAN PLASMA CELL GOLGI APPARATUS DELTA HEAVY

CHAIN LAMBDA LIGHT CHAIN ELECTRON MICROSCOPY IMMUNO
FLUORESCENCE MICROSCOPY

Concept Codes: MICROSCOPY-CYTOLOG,CYTOCHEM TECH(01054);
ELECTRON MICROSCOPY(+01058); CYTOLOGY/CYTOCHEM-HUMAN(+02508);
CLIN BIOCHEM-GENL STUDIES(10006); BIOCHEM STUD-PROTEINS,PEPTI-
DES,AMINO ACID(10064); BIOCHEM STUD-CARBOHYDR.(10068);
ANATOMY/HISTOL-MICRO,ULTRAMICRSC(+11108);
METABOLISM-CARBOHYDRATES(13004); METABOLISM-PROTNS,PEPTDS,AM
ACOS(+13012); BLOOD/BODY FLDS-BLOOD CELL STUDS(+15004);
BLOOD/BODY FLDS-BLD,LYM,RES PATH(+15006); BLOOD/BODY
FLDS-LYMPHAT TISS,RES(+15008); NEOPLSMS/NEOPL AGNTS-IMMUNOLOG-
Y(+24003); NEOPLSMS/NEOPL AGNTS-PATH.CLINIC(+24004); NEOPLSMS-
/NEOPL AGNTS-BIOCHEM(+24006); NEOPLSMS/NEOPL AGNTS-BLOOD,RES(-
+24010); IMMUNOL/IMMUNOCHEM-GEN METH(+34502); IMMUNOL/IMMUNOC-
HEM-IMMUNOPATHOL(+34508)

Biosystematic Codes: HOMINIDAE(86215)

72004010

IMMUNO HISTOCHEMISTRY OF FRESH FROZEN LYMPHOID TISSUE WITH
THE DIRECT IMMUNO PEROXIDASE TECHNIQUE

TUBBS R R; SHIEBANI K; WEISS R A; SEBEK B A
DEP. PATHOL., CLEVELAND CLIN. FOUND., 9500 EUCLID AVE.,
CLEVELAND, OHIO 44106.

AM J CLIN PATHOL 75 (2). 1981. 172-174. Coden: AJCPA

Language: ENGLISH

Descriptors: HUMAN LYMPHOMAS FOLLICULAR LYMPHOMAS HODGKINS
LYMPHOMA DIFFUSE NON-HODGKINS LYMPHOMAS POLY CLONAL
CYTOPLASMIC IMMUNO GLOBULINS MONO CLONAL SURFACE MEMBRANE
ASSOCIATED IMMUNO GLOBULIN LIGHT CHAINS

Concept Codes: MICROSCOPY-CYTOLOG,CYTOCHEM TECH(01054);
MICROSCOPY-HISTOL,HISTOCHEM TECH(01056); CYTOLOGY/CYTOCHEM-HU-
MAN(+02508); RADIATION BIOL-RADTN,ISOTOP TECH(06504); CLIN
BIOCHEM-GENL STUDIES(10006); COMPARATIVE BIOCHEM-GENL
STUDIES(10010); BIOCHEM METH-PROTNS,PEPTDS,AM AC(10054);
BIOCHEM METH-PORPHYRNS,BILE PIGM(10055); BIOCHEM METH-CARBOHY-
DRATES(10058); BIOCHEM STUD-PROTEINS,PEPTIDES,AMINO ACID(10064);
BIOCHEM STUD-CARBOHYDR.(10068); EXTERN EFF-COLD(10616);
PATHOLOGY-COMPARATIVE(12503); PATHOLOGY-DIAGNOSTIC(12504);
BLOOD/BODY FLDS-BLD,LYM,RES PATH(+15006); BLOOD/BODY
FLDS-LYMPHAT TISS,RES(+15008); TEMPERATURE-GENL,METHS(23001);
TEMPERATURE-CRYOBIOLOGY(23004); NEOPLSMS/NEOPL AGNTS-DIAGNS
METH(24001); NEOPLSMS/NEOPL AGNTS-IMMUNOLOGY(+24003); NEOPLSM-
S/NEOPL AGNTS-BLOOD,RES(+24010); IMMUNOL/IMMUNOCHEM-GEN
METH(+34502); PLANT PHYSIOL-ENZYMES(51518)

Biosystematic Codes: CRUCIFERAE(25880); HOMINIDAE(86215)

72004009

PROGNOSTIC SIGNIFICANCE OF HISTOLOGIC HOST RESPONSE IN CANCER OF THE LARGE BOWEL

NACOPOULOU L; AZARIS P; PAPACHARALAMPOUS N; DAVARIS P
 DEP. PATHOL., UNIV. ATHENS, ATHENS, GREECE GOUOI 617.
 CANCER (PHILA) 47 (5). 1981. 930-936. Coden: CANCA
 Language: ENGLISH

Descriptors: HUMAN LYMPHOCYTE REGIONAL LYMPH NODES IMMUNE
 RESPONSE STAGE TUMOR DIFFERENTIATION LYMPHO PLASMACYTIC
 INFILTRATION

Concept Codes: GENL BIOL-TAXONOMY,NOMENCLATUR(00504);
 MICROSCOPY-HISTOL,HISTOCHEM TECH(01056); CYTOLOGY/CYTOCHEM-HU-
 MAN(02508); ANATOMY/HISTOL-MICRO,ULTRAMICRSC(+11108); MOVEMEN-
 T(12100); DIGESTIVE SYST-PATHOLOGY(+14006); BLOOD/BODY
 FLDS-BLOOD CELL STUDS(+15004); BLOOD/BODY FLDS-LYMPHAT
 TISS,RES(+15008); NEOPLSMS/NEOPL AGNTS-IMMUNOLOGY(+24003);
 NEOPLSMS/NEOPL AGNTS-PATH,CLINIC(+24004); DEVELOPMNTL BIOL-GEN
 MORPHOGENSIS(+25508); IMMUNOL/IMMUNOCHEM-IMMUNOPATHOL(+34508)

Biosystematic Codes: HOMINIDAE(86215)

72004008

A SURVEY OF ETHYLNITROSO UREA INDUCED RAT GLIOMAS FOR THE PRESENCE OF TUMOR REJECTION ANTIGENS EXPRESSED IN-VIVO

SPENCE A M; PRIESTLEY G
 RG-20 NEUROL., UNIV. WASH., SEATTLE, WASH. 98195, USA.
 NEUROPATHOL APPL NEUROBIOL 7 (1). 1981. 63-76. Coden:
 NANED

Language: ENGLISH

Descriptors: HUMAN BRAIN TUMOR 3 METHYL CHOLANTHRENE
 CARCINOGEN GLIO BLASTOMA MULTIFORME ASTRO CYTOMA EPENDYMOMA
 OLIGODENDRO GLIOMA ASTRO CYTOMA BLADDER CARCINOMA

Concept Codes: MICROSCOPY-HISTOL,HISTOCHEM TECH(01056);
 CYTOLOGY/CYTOCHEM-ANIMAL(02506); MATHEMATIC BIOL/STATISTIC
 METH(04500); RADIATION BIOL-RADTN,ISOTOP TECH(06504); BIOCHEM
 STUD-GENERAL(10060); ANATOMY/HISTOL-REGEN,TRANSPLANT(11107);
 ANATOMY/HISTOL-MICRO,ULTRAMICRSC(11108); CHORDATE BODY
 REGNS-HEAD(11304); PATHOLOGY-COMPARATIVE(12503); URIN SYST/EXT
 SECR-PATHOLOGY(15506); NERVOUS SYST-PATHOLOGY(+20506);
 TOXICOL-GENL/EXP STUDS,METHS(22501); NEOPLSMS/NEOPL AGNTS-IMM-
 UNOLOGY(+24003); NEOPLSMS/NEOPL AGNTS-CARCINOGENS(+24007);
 IMMUNOL/IMMUNOCHEM-GEN METH(34502); IMMUNOL/IMMUNOCHEM-IMMUNO-
 PATHOL(+34508)

Biosystematic Codes: HOMINIDAE(86215); MURIDAE(86375)

72004007

IMMUNOBIOLOGY OF PRIMARY INTRA CRANIAL TUMORS 5. CORRELATION OF A LYMPHOCYTE INDEX AND CLINICAL STATUS

BROOKS W H; LATTI R B; MAHALEY M S; ROSZMAN T L; DUDKA L;
 SKAGGS C

152 W. ZANDALE DRIVE, LEXINGTON, KY. 40503.

J NEUROSURG 54 (3). 1981. 331-337. Coden: JONSA

Language: ENGLISH

Descriptors: HUMAN BRAIN RECURRENCE MALIGNANCY

Concept Codes: CYTOLOGY/CYTOCHEM-HUMAN(02508); PATHOLOGY-COMPARATIVE(12503); DIGESTIVE SYST-PATHOLOGY(+14006); BLOOD/BODY FLDS-BLOOD CELL STUDS(+15004); BLOOD/BODY FLDS-LYMPHAT TISS,RES(15008); NEOPLSMS/NEOPL AGNTS-IMMUNOLOGY(+24003); IMMUNOL/IMMUNOCHEM-IMMUNOPATHOL(+34508)

AGNOSTIC(12504); PATHOLOGY-THERAPY(12512); BLOOD/BODY
 FLDS-BLOOD CELL STUDS(+15004); BLOOD/BODY FLDS-LYMPHAT
 TISS,RES(+15008); NERVOUS SYST-GENL STUDS,METHS(20501);
 NERVOUS SYST-PATHOLOGY(+20506); NEOPLSMS/NEOPL AGNTS-DIAGNS
 METH(+24001); NEOPLSMS/NEOPL AGNTS-IMMUNOLOGY(+24003);
 NEOPLSMS/NEOPL AGNTS-THERAP,AGNT(24008); IN VITRO STUDS-CELLU-
 LR,SUBCELL(32600); IMMUNOL/IMMUNOCHEM-GEN METH(34502);
 IMMUNOL/IMMUNOCHEM-IMMUNOPATHOL(+34508)

Biosystematic Codes: HOMINIDAE(86215)

72004006

CLINICAL AND EXPERIMENTAL IMMUNOBIOLOGY OF MEDULLO BLASTOMAS GEROSA M A; SEMENZATO G; AMADORI G; OLIVI A; ROTILIO A; ZUCCARELLO M

ISTITUTO DI NEUROCHIRURGIA DELL'UNIVERSITA DI
 PADOVA-POLICLINICO, VIA GIUSTINIANI 5, 35100 PADOVA, ITALY.
 SURG NEUROL 14 (3). 1980. 193-195. Coden: SGNRA

Language: ENGLISH

Descriptors: CHILD T CELL B CELL ACTIVE ERYTHROCYTE ROSETTE
 FORMING CELL CYTO TOXICITY

Concept Codes: CYTOLOGY/CYTOCHEM-HUMAN(02508); BLOOD/BODY
 FLDS-BLOOD CELL STUDS(+15004); BLOOD/BODY FLDS-LYMPHAT
 TISS,RES(+15008); NERVOUS SYST-GENL STUDS,METHS(20501);
 NERVOUS SYST-PATHOLOGY(+20506); TOXICOL-GENL/EXP STUDS,METHS(-
 22501); NEOPLSMS/NEOPL AGNTS-IMMUNOLOGY(+24003); NEOPLSMS/NEO-
 PL AGNTS-BIOCHEM(+24006); PEDIATRICS(+25000); IMMUNOL/IMMUNOC-
 HEM-GEN METH(34502); IMMUNOL/IMMUNOCHEM-IMMUNOPATHOL(+34508)

Biosystematic Codes: HOMINIDAE(86215)

72004005

NUCLEOLI OF LYMPHOCYTES IN THE PERIPHERAL BLOOD OF PATIENTS WITH GASTRIC CANCER AND GASTRIC ULCER

SMETANA K; MATEJKOVA E; LIKOVSKY Z; HONDLIK J
 INST. EXP. MED., CZECH. ACAD. SCI., 128 00 PRAHA, CZECH.
 NEOPLASMA (BRATISL) 27 (6). 1980 (RECD. 1981). 717-722.

Coden: NEOLA

Language: ENGLISH

Descriptors: TUMOR SPREAD

Concept Codes: MICROSCOPY-CYTOLOG,CYTOCHEM TECH(01054);
 CYTOLOGY/CYTOCHEM-HUMAN(02508);
 ANATOMY/HISTOL-MICRO,ULTRAMICRSC(+11108);
 PATHOLOGY-COMPARATIVE(12503); DIGESTIVE SYST-PATHOLOGY(+14006);
 BLOOD/BODY FLDS-BLOOD CELL STUDS(+15004); BLOOD/BODY
 FLDS-LYMPHAT TISS,RES(15008); NEOPLSMS/NEOPL AGNTS-IMMUNOLOGY-
 (+24003); IMMUNOL/IMMUNOCHEM-IMMUNOPATHOL(+34508)

Biosystematic Codes: HOMINIDAE(86215)

72004003

IMMUNOLOGICAL REACTIVITY OF GLYCO PROTEIN ANTIGENS FROM HUMAN LUNG CANCERS

HARLOZINSKA A; LISOWSKA E; RICHTER R; ALBERT W; GAWLIKOWSKI W; DOMAGALA J

DEP. PATHOL. ANAT., SCH. MED., 50-368 WROCLAW, POL.

NEOPLASMA (BRATISL) 27 (6). 1980 (RECD. 1981). 641-652.

Coden: NEDLA

Language: ENGLISH

Descriptors: ANAPLASTIC CANCER ADENO CARCINOMA COLON CANCER LIVER METASTASES CARCINO EMBRYONIC ANTIGEN

Concept Codes: RADIATION BIOL-RADTN,ISOTOP TECH(06504); CLIN BIOCHEM-GENL STUDIES(*10006); COMPARATIVE BIOCHEM-GENL STUDIES(10010); BIOCHEM METH-PROTNS,PEPTDS,AM AC(10054); BIOCHEM METH-CARBOHYDRATES(10058); BIOCHEM STUD-PROTEINS,PEPTIDES,AMINO ACD(*10064); BIOCHEM STUD-CARBOHYDR.(10068); BIOPHYS-GENERAL BIOPHYS TECH(10504); MOVEMENT(12100); PATHOLOGY-COMPARATIVE(12503); DIGESTIVE SYST-PATHOLOGY(14006); BLOOD/BODY FLDS-BLOOD,LYMPH STUD(15002); RESPIRATORY SYST-PATHOLOGY(*16006); NEOPLSMS/NEOPL AGNTS-IMMUNOLOGY(*24003); NEOPLSMS/NEOPL AGNTS-BIOCHEM(*24006); DEVELOPMNTL BIOL-GENL,DESCRIPTIVE(25502); IMMUNOL/IMMUNOCHEM-GEN METH(*34502)

Biosystematic Codes: HOMINIDAE(86215)

72004002

SOME SIMILARITY BETWEEN MEMBRANE ANTIGENS OF ZAJDELA HEPATOMA CELLS AND LIVER OF RATS SUBJECTED TO A SINGLE 4 DI METHYLAMINO AZO BENZENE INJECTION

IVANOV V A; FEL V JA

INST. CYTOL., ACAD. SCI. USSR, 190121 LENINGRAD, USSR.

NEOPLASMA (BRATISL) 27 (6). 1980 (RECD. 1981). 745-750.

Coden: NEOLA

Language: ENGLISH

Descriptors: RAT CARCINOGEN 4 DI ETHYLAMINO AZO BENZENE

Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(*02506); COMPARATIVE BIOCHEM-GENL STUDIES(10010); BIOCHEM STUD-GENERAL(10060); BIOPHYS-MEMBRANE PHENOMENA(*10508); CHORDATE BODY REGNS-ABDOMEN(11314); DIGESTIVE SYST-PATHOLOGY(*14006); BLOOD/BODY FLDS-BLOOD,LYMPH STUD(15002); BLOOD/BODY FLDS-OTHER BODY FLDS(15010); URIN SYST/EXT SECR-PHYSL,BIOCHEM(15504); ROUTES OF IMMUNIZ,INFECT,THERAP(22100); TOXICOL-GENL/EXP STUDS,METHS-(22501); NEOPLSMS/NEOPL AGNTS-IMMUNOLOGY(*24003); NEOPLSMS/NEOPL AGNTS-CELL LINE(*24005); NEOPLSMS/NEOPL AGNTS-CARCINOGENS(*24007); IMMUNOL/IMMUNOCHEM-GEN METH(34502); IMMUNOL/IMMUNOCHEM-IMMUNOPATHOL(*34508)

Biosystematic Codes: MURIDAE(86375)

72004001

SOME CHARACTERISTICS OF NATURAL CYTOSTATIC MOUSE SPLENOCYTES

EHRlich R; EFRATI M; WITZ I P

DEP. OF MICROBIOL., THE GEORGE S. WISE FAC. OF LIFE SCI.,

TEL-AVIV UNIV., TEL-AVIV ISRAEL.

J IMMUNOL METHODS 40 (2) 1981 193-208 Coden: JIMM

Language: ENGLISH

Descriptors: MURINE MELANOMA B-16 CELLS NATURAL KILLER ACTIVITY THYMOCYTES AGING EFFECT NEGATIVE H-2 ANTIGEN RESTRICTION NEGATIVE ADHERENT CELLS

Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(*02506); RADIATION BIOL-RADTN,ISOTOP TECH(06504); COMPARATIVE BIOCHEM-GENL STUDIES(10010); BIOCHEM METH-CARBOHYDRATES(10058); BIOCHEM STUD-NUCL ACD,PURNS,PYRM(10062); BIOCHEM STUD-PROTEINS,PEPTIDES,AMINO ACD(10064); BIOCHEM STUD-CARBOHYDR.(10068); MINERALS(10069); BIOPHYS-GENERAL BIOPHYS TECH(10504); BIOPHYS-MEMBRANE PHENOMENA(10508); MOVEMENT(12100); METABOLISM-NUCL ACD,PURINS,PYRIM(13014); BLOOD/BODY FLDS-LYMPHAT TISS,RES(*15008); ENDOCRINE SYST-THYMUS(17016); INTEGUMENT SYST-PATHOLOGY(*18506); TOXICOL-GENL/EXP STUDS,METHS(*22501); NEOPLSMS/NEOPL AGNTS-IMMUNOLOGY(*24003); NEOPLSMS/NEOPL AGNTS-CELL LINE(*24005); GERONTOLOGY(24500); DEVELOPMNTL BIOL-GEN MORPHGENSIS(25508); TISS CULTURE-APPARAT,METHS,MEDIA-(32500); IN VITRO STUDS-CELLULR,SUBCELL(32600); IMMUNOL/IMMUNOCHEM-GEN METH(34502); IMMUNOL/IMMUNOCHEM-IMMUNOPATHOL(*34508)

Biosystematic Codes: MURIDAE(86375)

72004000

FUNCTIONAL INTEGRITY OF CRYO PRESERVED HUMAN MONOCYTES

WEINER R S; NORMANN S J

DEP. MED., DIV. ONCOL., COLL. MED., J. HILLIS MILLER HEALTH CENT., UNIV. FLA., GAINESVILLE, FLA. 32610, USA.

J NATL CANCER INST 66 (2). 1981. 255-260. Coden: JNCIA

Language: ENGLISH

Descriptors: MOUSE MASTO CYTOMA P-815 CELLS ZYMOSAN CHEMO TACTIC RESPONSIVENESS FRUCTOSE 6 PHOSPHATE SHUNT ACTIVITY DI METHYL SULFOXIDE CRYOPROTECTORANT CYTO TOXICITY

Concept Codes: MICROSCOPY-CYTOLOG,CYTOCHEM TECH(01054); CYTOLOGY/CYTOCHEM-ANIMAL(02506); CYTOLOGY/CYTOCHEM-HUMAN(02508); BIOCHEM STUD-GENERAL(10060); BIOCHEM STUD-PROTEINS,PEPTIDES,AMINO ACD(10064); BIOCHEM STUD-CARBOHYDR.(10068); BIOPHYS-GENERAL BIOPHYS TECH(10504); EXTERN EFF-COLD(*10616); MOVEMENT(12100); PATHOLOGY-NECROSIS(12510); METABOLISM-GENL STUD,METAB PATHW(*13002); METABOLISM-CARBOHYDRATES(*13004); BLOOD/BODY FLDS-GENL STUDS,METHS(15001); BLOOD/BODY FLDS-BLOOD CELL STUDS(*15004); BLOOD/BODY FLDS-LYMPHAT TISS,RES(*15008); BONE,JNTS,FASC,CONN/ADIP-PATHOL(*18006); TEMPERATURE-GENL,METHS(23001); TEMPERATURE-CRYOBIOLOGY(*23004); NEOPLSMS/NEOPL AGNTS-IMMUNOLOGY(*24003); NEOPLSMS/NEOPL AGNTS-CELL LINE(*24005); TISS CULTURE-APPARAT,METHS,MEDIA(32500); IN VITRO STUDS-CELLULR,SUBCELL(32600); IMMUNOL/IMMUNOCHEM-IMMUNOPATHOL(*34508); PLANT PHYSIOL-CHEM CONSTITUENTS(51522)

Biosystematic Codes: FUNGI-UNSPECIFIED(15000); HOMINIDAE(86215); MURIDAE(86375)

72003999

AN IMMUNO HISTOLOGIC STUDY OF SHOPE FIBROMA VIRUS IN RABBITS
TUMOR REJECTION BY CELLULAR REACTION IN ADULTS AND PROGRESSIVE
SYSTEMIC RES INFECTION IN NEO NATES

SELL S; SCOTT C B

DEP. PATHOL., SCH. MED., UNIV. CALIF., SAN DIEGO, CALIF.
92093, USA.

J NATL CANCER INST 66 (2). 1981. 363-373. Coden: JNCIA
Language: ENGLISH

Descriptors: SKIN FIBRO XANTHO SARCOMA GRANULOMA

Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(02506); BIOCHEM
STUD-PROTEINS, PEPTIDES, AMINO ACID(10064); BIOCHEM STUD-CARBOHY-
DR.(10068); PATHOLOGY-INFLAMMATN, INFLAM DIS(12508); BLOOD/BODY
FLDS-BLOOD CELL STUDS(15004); BLOOD/BODY FLDS-LYMPHAT
TISS, RES(15008); ENDOCRINE SYST-THYMUS(17016); BONE, JNTS, FASC-
CONN/ADIP-PATHOL(+18006); INTEGUMENT SYST-GENL STUDS, METHS(1-
8501); INTEGUMENT SYST-PATHOLOGY(+18506); ROUTES OF
IMMUNIZ, INFECT, THERAP(22100); NEOPLSMS/NEOPL AGNTS-IMMUNOLOGY-
(+24003); NEOPLSMS/NEOPL AGNTS-CARCINOGENS(+24007); GERONTOLO-
GY(24500); PEDIATRICS(25000); VIROLOGY-ANIMAL HOST
VIRUSES(+33506); IMMUNOL/IMMUNOCHEM-GEN METH(34502); IMMUNOL/-
IMMUNOCHEM-BACT, VIR, FUNG(+34504);
IMMUNOL/IMMUNOCHEM-IMMUNOPATHOL(+34508); MED/CLIN MICROBIOL-V-
IROLOGY(36006); VETERINARY SCI-MICROBIOLOGY(38006)

Biosystematic Codes: POXVIRIDAE(02234); LEPORIDAE(86040)

72003998

SERUM IA ANTIGEN LEVELS DURING TUMOR GROWTH IN MICE AND
HUMANS/

SANDRIN M S; HENNING M M; VAUGHAN H A; MCKENSIE I F C;
PARISH C R

DEP. MED., AUSTIN HOSP., HEIDELBERG, VICTORIA, AUST. 3084,
USA.

J NATL CANCER INST 66 (2). 1981. 279-283. Coden: JNCIA
Language: ENGLISH

Concept Codes: GENETICS/CYTOGENET-ANIMAL(03506); CLIN
BIOCHEM-GENL STUDIES(10006); BIOCHEM STUD-LIPIDS(10066);
BIOCHEM STUD-CARBOHYDR.(10068); ANATOMY/HISTOL-REGEN, TRANSPLA-
NT(11107); PATHOLOGY-COMPARATIVE(12503); METABOLISM-CARBOHYDR-
ATES(+13004); METABOLISM-LIPIDS(+13006); BLOOD/BODY FLDS-BLOO-
D, LYMPH STUD(15002); NEOPLSMS/NEOPL AGNTS-IMMUNOLOGY(+24003);
NEOPLSMS/NEOPL AGNTS-BIOCHEM(+24006); IMMUNOL/IMMUNOCHEM-GEN
METH(+34502); IMMUNOL/IMMUNOCHEM-IMMUNOPATHOL(34508)

Biosystematic Codes: HOMINIDAE(86215); MURIDAE(86375)

72003997

HUMORAL ANTI TUMOR IMMUNE RESPONSES IN PATIENTS WITH BREAST
CANCER MEASURED WITH THE LEUKOCYTE ADHERENCE INHIBITION
TECHNIQUE

KOTLAR H K; SANNER T

NORSK HYDRO'S INST. CANCER RES., NORW. RADIUM HOSP.,
MONTEBELLO, OSLO 3, NORW.

J NATL CANCER INST 66 (2). 1981. 265-271. Coden: JNCIA
Language: ENGLISH

Descriptors: MCF-7 CELLS

Concept Codes: CYTOLOGY/CYTOCHEM-HUMAN(02508); BIOCHEM
STUD-PROTEINS, PEPTIDES, AMINO ACID(10064); MINERALS(10069);
EXTERN EFF-COLD(10616); ENZYMES-METHODS(10804); BLOOD/BODY
FLDS-BLOOD, LYMPH STUD(15002); BLOOD/BODY FLDS-BLOOD CELL
STUDS(+15004); BLOOD/BODY FLDS-LYMPHAT TISS, RES(15008);
REPRODUCT SYST-GENL STUDS, METHS(16501); REPRODUCT SYST-PATHOL-
OGY(+16506); TEMPERATURE-GENL, METHS(23001); TEMPERATURE-CRYOB-
IOLOGY(23004); NEOPLSMS/NEOPL AGNTS-IMMUNOLOGY(+24003);
NEOPLSMS/NEOPL AGNTS-CELL LINE(24005); IMMUNOL/IMMUNOCHEM-GEN
METH(+34502); IMMUNOL/IMMUNOCHEM-IMMUNOPATHOL(+34508)

Biosystematic Codes: HOMINIDAE(86215)

72003996

PROLONGED SURVIVAL FOR MELANOMA PATIENTS WITH ELEVATED
IMMUNO GLOBULIN M ANTIBODY TO ONCO FETAL ANTIGEN

JONES P C; SZE L L; LIU P Y; MORTON D L; IRIE R F

DIV. ONCOL., DEP. SURG., UCLA SCH. MED., UNIV. CALIF., LOS
ANGELES, CALIF. 90024, USA.

J NATL CANCER INST 66 (2). 1981. 249-254. Coden: JNCIA
Language: ENGLISH

Descriptors: SURGERY PROGNOSIS

Concept Codes: CLIN BIOCHEM-GENL STUDIES(+10006); BIOCHEM
STUD-PROTEINS, PEPTIDES, AMINO ACID(10064); BIOCHEM STUD-CARBOHY-
DR.(10068); ANATOMY/HISTOL-SURGERY(11105); PATHOLOGY-DIAGNOST-
IC(12504); PATHOLOGY-THERAPY(12512); METABOLISM-CARBOHYDRATES-
(+13004); METABOLISM-PROTNS, PEPTDS, AM ACDS(+13012); BLOOD/BODY
FLDS-BLOOD, LYMPH STUD(15002); NERVOUS SYST-PHYSIOL, BIOCHEM(20-
504); NEOPLSMS/NEOPL AGNTS-DIAGNS METH(+24001); NEOPLSMS/NEOPL
AGNTS-IMMUNOLOGY(+24003); NEOPLSMS/NEOPL AGNTS-CELL LINE(2400-
5); NEOPLSMS/NEOPL AGNTS-BIOCHEM(+24006); NEOPLSMS/NEOPL
AGNTS-THERAP, AGNT(+24008); DEVELOPMNTL BIOL-GENL, DESCRIPTIVE(-
25502); IMMUNOL/IMMUNOCHEM-GEN METH(+34502)

Biosystematic Codes: HOMINIDAE(86215)

72003995

THE HETEROGENIZATION OF TUMOR CELLS WITH TUBERCULIN 2. STUDIES OF THE ANTIGENICITY OF TUBERCULIN HETEROGENIZED MURINE TUMOR CELLS IN SYNGENEIC BCG POSITIVE AND BCG NEGATIVE MICE

VYAKARNAM A; LACHMANN P J; SIKORA K
TUMOUR IMMUNITY UNIT, HILLS RD., CAMBRIDGE CB2 2QH.
IMMUNOLOGY 42 (2). 1981. 337-348. Coden: IMMUA

Language: ENGLISH

Descriptors: MURINE SARCOMA B-10 CELLS IMMUNOLOGIC-DRUG TUMOR CELL ANTIGENICITY ENHANCEMENT PURIFIED PROTEIN DERIVATIVE COUPLED TUMOR CELL IMMUNIZATION ANTI TUMOR RESPONSE

Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(*02506); COMPARATIVE BIOCHEM-GENL STUDIES(10010); BIOCHEM STUD-PROTEINS, PEPTIDES, AMINO ACID(10064); BIOCHEM STUD-CARBOHYDR.(10068); BIOPHYS-MEMBRANE PHENOMENA(*10508); PATHOLOGY-COMPARATIVE(12503); PATHOLOGY-THERAPY(12512); BLOOD/BODY FLDS-LYMPHAT TISS.RES(*15008); BONE, JNTS, FASC, CONN/ADIP-PATHOL(*18006); PHARMACOL-DRUG METAB., METAB STIMU(22003); PHARMACOL-CLINICAL PHARMACOL(*22005); NEOPLSMS/NEOPL AGNTS-IMMUNOLOGY(*24003); NEOPLSMS/NEOPL AGNTS-CELL LINE(*24005); BACTERIA-PHYSIOLOGY, BIOCHEMISTRY(31000); TISS CULTURE-APPARAT, METHS, MEDIA(32500); IN VITRO STUDS-CELLULR, SUBCELL(32600); IMMUNOL/IMMUNOCHEM-GEN METH(*34502); IMMUNOL/IMMUNOCHEM-IMMUNOPATHOL(*34508); MED/CLIN MICROBIOL-BACTERIOLOGY(*36002)

Biosystematic Codes: MYCOBACTERIACEAE(05822); MURIDAE(86375)

72003994

THE HETEROGENIZATION OF TUMOR CELLS WITH TUBERCULIN 1. THE COUPLING OF TUBERCULIN TO CELL SURFACES USING CONCAVALIN A AS LIGAND

LACHMANN P J; VYAKARNAM A; SIKORA K
MECHANISMS IN TUMOUR IMMUNITY UNIT, MRC CTR., HILLS RD., CAMBRIDGE CB2 2QH.

IMMUNOLOGY 42 (2). 1981. 329-336. Coden: IMMUA

Language: ENGLISH

Descriptors: MURINE SARCOMA B-10 CELLS IMMUNOLOGIC-DRUG PURIFIED PROTEIN DERIVATIVE WEAK TUMOR CELL ANTIGEN IMMUNE RESPONSE ENHANCEMENT

Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(*02506); COMPARATIVE BIOCHEM-GENL STUDIES(10010); BIOCHEM METH-GENERAL(10050); BIOCHEM METH-PROTNS, PEPTDS, AM AC(10054); BIOCHEM STUD-PROTEINS, PEPTIDES, AMINO ACID(*10064); BIOCHEM STUD-CARBOHYDR.(10068); PATHOLOGY-THERAPY(12512); BLOOD/BODY FLDS-LYMPHAT TISS.RES(*15008); BONE, JNTS, FASC, CONN/ADIP-PATHOL(18006); PHARMACOL-DRUG METAB., METAB STIMU(22003); PHARMACOL-IMMUNO PROCES, ALLERGY(*22018); NEOPLSMS/NEOPL AGNTS-IMMUNOLOGY(*24003); NEOPLSMS/NEOPL AGNTS-CELL LINE(24005); NEOPLSMS/NEOPL AGNTS-THERAP, AGNT(*24008); TISS CULTURE-APPARAT, METHS, MEDIA(32500); IN VITRO STUDS-CELLULR, SUBCELL(32600); IMMUNOL/IMMUNOCHEM-GEN METH(*34502); IMMUNOL/IMMUNOCHEM-IMMUNOPATHOL(*34508); MED/CLIN MICROBIOL-BACTERIOLOGY(*36002)

Biosystematic Codes: MYCOBACTERIACEAE(05822); MURIDAE(86375)

POTENTIATION OF NATURAL KILLER ACTIVITY OF HUMAN LYMPHOCYTES BY STAPHYLOCOCCUS-AUREUS BACTERIA AND ITS PROTEIN A

KASAHARA T; HARADA H; SHIOIRI-NAKANO K; IMAI M; SAND T
DEP. OF MED. BIOL. AND PARASITOL., JICHI MED. SCH., TOCHIGI, 329-04, JAPAN.

IMMUNOLOGY 42 (2). 1981. 175-184. Coden: IMMUA

Language: ENGLISH

Descriptors: HUMAN ERYTHRO LEUKEMIC K-562 CELLS STREPTOCOCCUS-PYOGENES NULL CELLS IMMUNO GLOBULIN FC RECEPTOR

Concept Codes: CYTOLOGY/CYTOCHEM-HUMAN(02508); BIOCHEM STUD-PROTEINS, PEPTIDES, AMINO ACID(10064); BIOCHEM STUD-CARBOHYDR.(10068); BIOPHYS-MEMBRANE PHENOMENA(10508); BLOOD/BODY FLDS-BLOOD CELL STUDS(*15004); BLOOD/BODY FLDS-BLO, LYM, RES PATH(15006); BLOOD/BODY FLDS-LYMPHAT TISS.RES(*15008); TOXICOL-GENL/EXP STUDS, METHS(22501); NEOPLSMS/NEOPL AGNTS-IMMUNOLOGY(*24003); NEOPLSMS/NEOPL AGNTS-CELL LINE(24005); NEOPLSMS/NEOPL AGNTS-BLOOD, RES(*24010); BACTERIA-PHYSIOLOGY, BIOCHEMISTRY(31000); TISS CULTURE-APPARAT, METHS, MEDIA(32500); IN VITRO STUDS-CELLULR, SUBCELL(32600); IMMUNOL/IMMUNOCHEM-GEN METH(34502); IMMUNOL/IMMUNOCHEM-BACT, VIR, FUNG(*34504); IMMUNOL/IMMUNOCHEM-IMMUNOPATHOL(*34508); MED/CLIN MICROBIOL-BACTERIOLOGY(*36002)

Biosystematic Codes: MICROCOCCACEAE(05510); STREPTOCOCCACEAE(05514); HOMINIDAE(86215)

72003993

72003992

STUDIES ON IMMUNO SUPPRESSIVE FACTORS IN SERA OF CHILDREN WITH ACUTE LYMPHOBLASTIC LEUKEMIA

IGUCHI K

DEP. PEDIATRICS, MIE UNIVERSITY SCH. MEDICINE, TSU.

MIE MED J 30 (1). 1980 (RECD. 1981). 75-86. Coden:

MMJJA

Language: ENGLISH

Descriptors: CHEMO THERAPY IMMUNO THERAPY T LYMPHOCYTES PHYTO HEM AGGLUTININ DISEASE STAGE

Concept Codes: CYTOLOGY/CYTOCHEM-HUMAN(02508); RADIATION BIOL-RADIN,ISOTOP TECH(06504); BIOCHEM STUD-GENERAL(10060); BIOCHEM STUD-NUCL ACID,PURINS,PYRM(10062); BIOCHEM STUD-PROTEIN-S,PEPTIDES,AMINO ACID(10064); BIOPHYS-MEMBRANE PHENOMENA(10508); PATHOLOGY-THERAPY(12512); METABOLISM-NUCL ACID,PURINS,PYRM(13014); BLOOD/BODY FLDS-BLOOD,LYMPH STUD(15002); BLOOD/BODY FLDS-BLD,LYM,RES PATH(15006); BLOOD/BODY FLDS-LYMPHAT TISS,RES(15008); ENDOCRINE SYST-THYMUS(17016); PHARMACOL-CLINICAL PHARMACOL(22005); PHARMACOL-BLOOD,HEMATO AGENTS(22008); PHARMACOL-IMMUNO PROCES,ALLERGY(22018); NEOPLSMS/NEOPL AGENTS-IMMUNOLOGY(+24003); NEOPLSMS/NEOPL AGENTS-THERAP,AGNT(+24008); NEOPLSMS/NEOPL AGENTS-BLOOD,RES(+24010); PEDIATRICS(+25000); TISS CULTURE-APPARAT,METHS,MEDIA(32500); IN VITRO STUDS-CELLULR,SUBCELL(32600); IMMUNOL/IMMUNOCHEM-GEN METH(+34502); IMMUNOL/IMMUNOCHEM-IMMUNOPATHOL(+34508); CHEMOTHERAPY-GEN STUD,METH,METAB(38502); PLANT PHYSIOL-CHEM CONSTITUENTS(51522)

Biosystematic Codes: PLANTAE-UNSPECIFIED(11000); HOMINIDAE(-86215)

72003991

SUPPRESSOR CELLS ACTING ON MITOGEN INDUCED BLASTOGENESIS IN TUMOR BEARING HOSTS 2. SUPPRESSOR CELLS IN THE PERIPHERAL BLOOD OF PATIENTS WITH MALIGNANT BONE AND SOFT TISSUE SARCOMA

TAKAMI M

DEP. ORTHOP. SURG., OSAKA CITY UNIV. MED. SCH., OSAKA.

J JPN ORTHOP ASSOC 54 (11). 1980 (RECD. 1981). 1563-1570.

Coden: NSGZA

Language: JAPANESE

Descriptors: INDOMETHACIN METABOLIC-DRUG IMMUNOLOGIC-DRUG PROSTAGLANDIN SYNTHESIS INHIBITION MONOCYTE MACROPHAGE CONCANAVALIN A

Concept Codes: CYTOLOGY/CYTOCHEM-HUMAN(02508); BIOCHEM STUD-GENERAL(10060); BIOCHEM STUD-PROTEINS,PEPTIDES,AMINO ACID(10064); BIOCHEM STUD-LIPIDS(10066); BIOPHYS-GENERAL BIOPHYS TECH(10504); MOVEMENT(12100); METABOLISM-LIPIDS(+13006); BLOOD/BODY FLDS-BLOOD,LYMPH STUD(15002); BLOOD/BODY FLDS-BLOOD CELL STUDS(+15004); BLOOD/BODY FLDS-LYMPHAT TISS,RES(+15008); ENDOCRINE SYST-GENERAL STUDIES(+17002); BONE,JNTS,FASC,CONN/ADIP-PATHOL(+18006); PHARMACOL-DRUG METAB,METAB STIMU(+22003); PHARMACOL-BLOOD,HEMATO AGENTS(+22008); PHARMACOL-ENDOCRINE SYST(+22016); PHARMACOL-IMMUNO PROCES,ALLERGY(+22018); NEOPLSMS/NEOPL AGENTS-IMMUNOLOGY(+24003); NEOPLSMS/NEOPL AGENTS-BIOCHEM(+24006); TISS CULTURE-APPARAT,METHS,MEDIA(32500); IN VITRO STUDS-CELLULR,SUBCELL(32600); IMMUNOL/IMMUNOCHEM-GEN METH(+34502); IMMUNOL/IMMUNOCHEM-IMMUNOPATHOL(+34508); CHEMOTHERAPY-GEN STUD,METH,METAB(+38502); PLANT PHYSIOL-CHEM CONSTITUENTS(51522); PHARMACOGNOSY/PHARMACEUT BOTANY(54000)

PATHOL(+34508); PLANT PHYSIOL-CHEM CONSTITUENTS(51522); PHARMACOGNOSY/PHARMACEUT BOTANY(54000)

Biosystematic Codes: LEGUMINOSAE(26260); HOMINIDAE(86215)

72003990

RESEARCH ON EXPERIMENTALLY INDUCED CERVICAL CANCERS AND THE REACTIVITY OF SPLEEN CELLS TO CONCANAVALIN A

MORI T

DEP. OBSTETRICS GYNECOL., TOHOKU UNIV., SCH. MED., SENDAI.

ACTA OBSTET GYNAECOL JPN (JPN ED) 33 (2). 1981. 285-291.

Coden: NISFA

Language: ENGLISH

Descriptors: MOUSE ATSD IMMUNOLOGIC-DRUG ANTINEOPLASTIC-DRUG SUPPRESSOR T CELL ANTIBODY SYNTHESIS ATYPICAL HYPERPLASIA MALIGNANCY DEVELOPMENT

Concept Codes: MICROSCOPY-HISTOL,HISTOCHEM TECH(01056); CYTOLOGY/CYTOCHEM-ANIMAL(02506); BIOCHEM STUD-PROTEINS,PEPTIDES,AMINO ACID(10064); BIOCHEM STUD-CARBOHYDR.(10068); ANATOMY/HISTOL-MICRO,ULTRAMICRSC(11108); PATHOLOGY-THERAPY(12512); METABOLISM-CARBOHYDRATES(13004); METABOLISM-PROTNS,PEPTDS,AM ACDS(+13012); BLOOD/BODY FLDS-BLOOD CELL STUDS(15004); BLOOD/BODY FLDS-LYMPHAT TISS,RES(+15008); REPRODUCT SYST-PATHOLOGY(+16506); ENDOCRINE SYST-THYMUS(+17016); PHARMACOL-BLOOD,HEMATO AGENTS(+22008); PHARMACOL-IMMUNO PROCES,ALLERGY(+22018); NEOPLSMS/NEOPL AGENTS-IMMUNOLOGY(+24003); NEOPLSMS/NEOPL AGENTS-BIOCHEM(+24006); NEOPLSMS/NEOPL AGENTS-CARCINOGENS(+24007); DEVELOPMNTL BIOL-GEN MORPHGENSIS(25508); IMMUNOL/IMMUNOCHEM-GEN METH(+34502); IMMUNOL/IMMUNOCHEM-IMMUNOPATHOL(+34508); CHEMOTHERAPY-GEN STUD,METH,METAB(+38502); PLANT PHYSIOL-CHEM CONSTITUENTS(51522); PHARMACOGNOSY/PHARMACEUT BOTANY(54000)

Biosystematic Codes: LEGUMINOSAE(26260); MURIDAE(86375)

72003989

ANTIGENIC MODULATION OF LYMPHOCYTIC SURFACE IMMUNO GLOBULIN
YIELDING RESISTANCE TO COMPLEMENT MEDIATED LYSIS 2.
RELATIONSHIP TO RE DISTRIBUTION OF THE ANTIGEN

GORDON J; STEVENSON G T
LYMPHOMA RES. UNIT, TENOVUS RES. LAB., TREMONA RD.,
SOUTHAMPTON SO9 4XY.

IMMUNOLOGY 42 (1). 1981. 13-18. Coden: IMMUA

Language: ENGLISH

Descriptors: GUINEA-PIG LEUKEMIC B LYMPHOCYTIC L-2C CELLS
RABBIT SODIUM AZIDE METABOLIC-DRUG SURFACE ANTIGEN ANTIBODY
COMPLEX MOVEMENT CAPPING ENDOCYTOSIS COMPLEX AGGREGATION

Concept Codes: MICROSCOPY-CYTOLOG,CYTOCHEM TECH(01054);
CYTOLOGY/CYTOCHEM-ANIMAL(02506); RADIATION BIOL-RADIN,ISOTOP
TECH(06504); COMPARATIVE BIOCHEM-GENL STUDIES(10010); BIOCHEM
METH-PROTNS,PEPTDS,AM AC(10054); BIOCHEM METH-CARBOHYDRATES(1-
0058); BIOCHEM STUD-GENERAL(10060); BIOCHEM STUD-PROTEINS,PEP-
TIDES,AMINO ACD(*10064); BIOCHEM STUD-CARBOHYDR.(10068);
BIOPHYS-MEMBRANE PHENOMENA(*10508); ENZYMES-PHYSIOLOGICAL
STUDIES(*10808); MOVEMENT(12100); BLOOD/BODY FLDS-BLOOD CELL
STUDS(*15004); BLOOD/BODY FLDS-BLD,LYM,RES PATH(15006);
BLOOD/BODY FLDS-LYMPHAT TISS,RES(*15008); BONE,JNTS,FASC,CONN-
/ADIP-GENL(18001); PHARMACOL-DRUG METAB,METAB STIMU(22003);
TOXICOL-GENL/EXP STUDS,METHS(22501); NEOPLSMS/NEOPL AGNTS-IMM-
UNOLOGY(*24003); NEOPLSMS/NEOPL AGNTS-CELL LINE(24005);
NEOPLSMS/NEOPL AGNTS-BLOOD,RES(*24010); TISS CULTURE-APPARAT,
METHS,MEDIA(32500); IN VITRO STUDS-CELLULR,SUBCELL(32600);
IMMUNOL/IMMUNOCHEM-GEN METH(34502); IMMUNOL/IMMUNOCHEM-IMMUNO-
PATHOL(*34508)

Biosystematic Codes: LEPORIDAE(86040); CAVIIDAE(86300)

72003988

ANTIGENIC MODULATION OF LYMPHOCYTIC SURFACE IMMUNO GLOBULIN
YIELDING RESISTANCE TO COMPLEMENT MEDIATED LYSIS 1.
CHARACTERIZATION WITH SYNGENEIC AND XENOGENIC COMPLEMENTS

GORDON J; ROBINSON D S F; STEVENSON G T
LYMPHOMA RES. UNIT, TENOVUS RES. LAB., TREMONA RD.,
SOUTHAMPTON SO9 4XY.

IMMUNOLOGY 42 (1). 1981. 7-12. Coden: IMMUA

Language: ENGLISH

Descriptors: GUINEA-PIG LEUKEMIC B LYMPHOCYTE L-2C CELLS
RABBIT METABOLICALLY ACTIVE CELLS MOLECULAR SPECIFICITY

Concept Codes: COMPARATIVE BIOCHEM-GENL STUDIES(10010);
BIOCHEM METH-PROTNS,PEPTDS,AM AC(10054); BIOCHEM METH-CARBOHY-
DRATES(10058); BIOCHEM STUD-PROTEINS,PEPTIDES,AMINO ACD(*1006-
4); BIOCHEM STUD-CARBOHYDR.(10068); BIOPHYS-MEMBRANE
PHENOMENA(*10508); EXTERN EFF-TEMPERATURE(10614); ENZYMES-PHY-
SIOLOGICAL STUDIES(*10808); METABOLISM-GENL STUD,METAB
PATHW(*13002); BLOOD/BODY FLDS-BLOOD,LYMPH STUD(15002);
BLOOD/BODY FLDS-BLOOD CELL STUDS(*15004); BLOOD/BODY
FLDS-BLD,LYM,RES PATH(15006); BLOOD/BODY FLDS-LYMPHAT
TISS,RES(*15008); BONE,JNTS,FASC,CONN/ADIP-GENL(18001); TOXIC-
OL-GENL/EXP STUDS,METHS(22501); TEMPERATURE-GENL,METHS(23001);
NEOPLSMS/NEOPL AGNTS-IMMUNOLOGY(*24003); NEOPLSMS/NEOPL
AGNTS-CELL LINE(24005); NEOPLSMS/NEOPL AGNTS-BLOOD,RES(*24010);
; TISS CULTURE-APPARAT,METHS,MEDIA(32500); IN VITRO

STUDS-CELLULR,SUBCELL(32600); IMMUNOL/IMMUNOCHEM-GEN METH(345-
02); IMMUNOL/IMMUNOCHEM-IMMUNOPATHOL(*34508)

Biosystematic Codes: LEPORIDAE(86040); CAVIIDAE(86300)

72003987

ROSETTE TEST IN DETERMINATION OF SPECIFIC REACTIVITY TO
TUMOR

ANDREIS I; TARADI M; JURETIC A
DEP. PHYSIOL., FAC. MED., UNIV. ZAGREB, SALDTA 3. 41001
ZAGREB, YUGOSL.

PERIOD BIOL 82 (2). 1980 (RECD. 1981). 51-56. Coden:
PDBIA

Language: ENGLISH

Descriptors: RAT YOSHIDA ASCITES SARCOMA CELLS MOUSE EHRLICH
ASCITES TUMOR CELLS SHEEP RED BLOOD CELLS RABBIT SERUM

Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(02506); BIOCHEM
STUD-GENERAL(10060); CHORDATE BODY REGNS-ABDOMEN(11314);
BLOOD/BODY FLDS-BLOOD,LYMPH STUD(15002); BLOOD/BODY FLDS-BLOOD
CELL STUDS(*15004); BLOOD/BODY FLDS-LYMPHAT TISS,RES(*15008);
BLOOD/BODY FLDS-OTHER BODY FLDS(15010); NEOPLSMS/NEOPL
AGNTS-IMMUNOLOGY(*24003); NEOPLSMS/NEOPL AGNTS-CELL LINE(2400-
5); TISS CULTURE-APPARAT,METHS,MEDIA(32500); IN VITRO
STUDS-CELLULR,SUBCELL(32600); IMMUNOL/IMMUNOCHEM-GEN METH(*34-
502); IMMUNOL/IMMUNOCHEM-IMMUNOPATHOL(*34508)

Biosystematic Codes: BOVIDAE(85715); LEPORIDAE(86040);
MURIDAE(86375)

72003986

GROWTH REGULATORY CONTROL OF HUMAN CELL HYBRIDS IN NUDE MICE
STANBRIDGE E J; CEREDIG R
DEP. MICROBIOL., COLL. MED., UNIV. CALIFORNIA, IRVINE,
CALIF. 92717.

CANCER RES 41 (2). 1981. 573-580. Coden: CNREA

Language: ENGLISH

Descriptors: PROPIONIBACTERIUM-ACNES CERVICAL CARCINOMA HELA
CELLS FIBROBLAST CELLS IMMUNOLOGIC-DRUG TUMORIGENESIS

Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(+02506); CYTOLOGY/C-
YTOCHEM-HUMAN(+02508); GENETICS/CYTOGENET-ANIMAL(03506); CHOR-
DATE BODY REGNS-ABDOMEN(11314); BLOOD/BODY FLDS-BLD,LYM,RES
PATH(15006); BLOOD/BODY FLDS-LYMPHAT TISS,RES(+15008);
REPRODUCT SYST-GENL STUDS,METHS(16501); REPRODUCT SYST-PATHOL-
OGY(16506); ENDOCRINE SYST-THYMUS(17016); INTEGUMENT SYST-GENL
STUDS,METHS(18501); PHARMACOL-IMMUNO PROCES,ALLERGY(+22018);
ROUTES OF IMMUNIZ,INFECT,THERAP(22100); NEOPLSMS/NEOPL
AGNTS-IMMUNOLOGY(+24003); NEOPLSMS/NEOPL AGNTS-CELL LINE(2400-
5); NEOPLSMS/NEOPL AGNTS-CARCINOGENS(+24007); DEVELOPMNTL
BIOL-DESCRIP TERATOL(25552); BACTERIA-PHYSIOLOGY,BIOCHEMISTRY-
(31000); IMMUNOL/IMMUNOCHEM-IMMUNOPATHOL(+34508); MED/CLIN
MICROBIOL-BACTERIOLOGY(36002)

Biosystematic Codes: PROPIONIBACTERIACEAE(05826); HOMINIDAE-
(86215); MURIDAE(86375)

72003985

PURIFICATION AND CHARACTERIZATION OF CARCINO EMBRYONIC
ANTIGEN RELATED ANTIGENS IN NORMAL ADULT FECES

KUROKI M; KOGA Y; MATSUOKA Y
FIRST DEP. BIOCHEM., SCH. MED., FUKUOKA UNIV., 34 NANAKUMA,
NISHI-KU, FUKUOKA 814, JPN.

CANCER RES 41 (2). 1981. 713-720. Coden: CNREA

Language: ENGLISH

Descriptors: HUMAN CANCER DETERMINANT

Concept Codes: CLIN BIOCHEM-GENL STUDIES(+10006);
COMPARATIVE BIOCHEM-GENL STUDIES(10010); BIOCHEM METH-PROTNS,-
PEPTDS,AM AC(10054); BIOCHEM METH-CARBOHYDRATES(10058);
BIOCHEM STUD-PROTEINS,PEPTIDES,AMINO ACD(+10064); BIOCHEM
STUD-CARBOHYDR.(+10068); BIOPHYS-MOLECUL PROP,MACROMOLEC(1050-
6); MOVEMENT(12100); METABOLISM-CARBOHYDRATES(+13004);
METABOLISM-PROTNS,PEPTDS,AM ACDS(+13012); DIGESTIVE SYST-PHYS-
IOL,BIOCHEM(+14004); NEOPLSMS/NEOPL AGNTS-IMMUNOLOGY(+24003);
NEOPLSMS/NEOPL AGNTS-BIOCHEM(+24006); DEVELOPMNTL BIOL-GENL,D-
SCRIPTIVE(25502); IMMUNOL/IMMUNOCHEM-GEN METH(+34502)

Biosystematic Codes: HOMINIDAE(86215)

72003984

HETEROLOGOUS ANTI SERUM TO CHEMICALLY INDUCED RAT NON-T
NON-B LEUKEMIA AND ITS APPLICATION TO CHARACTERIZATION OF RAT
LEUKEMIAS

MORIUCHI T; KASAI M; YAMAGUCHI H; KOBAYASHI H
LAB. PATHOL., CANCER INST., HOKKAIDO UNIV. SCH. MED.,
KITA-15-JO, NISHI-7-CHOME, SAPPORO 060, JPN.

CANCER RES 41 (2). 1981. 700-712. Coden: CNREA

Language: ENGLISH

Descriptors: DBLA-6 CELLS HEPATOMA RABBIT GUINEA-PIG 1
BUTYL-1-NITROSO UREA CARCINOGEN LYMPHOMA ERYTHRO LEUKEMIA
LYMPHOCYTE MATURATION

Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(+02506); BIOCHEM
STUD-GENERAL(10060); BIOCHEM STUD-PROTEINS,PEPTIDES,AMINO
ACD(10064); BIOCHEM STUD-CARBOHYDR.(10068); METABOLISM-CARBOH-
YDRATES(13004); METABOLISM-PROTNS,PEPTDS,AM ACDS(13012);
DIGESTIVE SYST-GENL STUDS,METHS(14001); DIGESTIVE SYST-PHYSIO-
L,BIOCHEM(14004); DIGESTIVE SYST-PATHOLOGY(14006); BLOOD/BODY
FLDS-BLOOD CELL STUDS(15004); BLOOD/BODY FLDS-BLD,LYM,RES
PATH(15006); BLOOD/BODY FLDS-LYMPHAT TISS,RES(15008); URIN
SYST/EXT SECR-PHYSL,BIOCHEM(15504); TOXICOL-GENL/EXP STUDS,ME-
THS(22501); NEOPLSMS/NEOPL AGNTS-IMMUNOLOGY(+24003); NEOPLSMS-
/NEOPL AGNTS-CELL LINE(+24005); NEOPLSMS/NEOPL AGNTS-CARCINO-
GENS(24007); NEOPLSMS/NEOPL AGNTS-BLOOD,RES(+24010); IMMUNOL/I-
MMUNOCHEM-GEN METH(34502); IMMUNOL/IMMUNOCHEM-IMMUNOPATHOL(+3-
4508)

Biosystematic Codes: LEPORIDAE(86040); CAVIIDAE(86300);
MURIDAE(86375)

72003983

FURTHER CHARACTERIZATION OF IMMUNOLOGICAL UNRESPONSIVENESS
INDUCED IN MICE BY UV RADIATION 2. STUDIES ON THE ORIGIN AND
ACTIVITY OF UV INDUCED SUPPRESSOR LYMPHOCYTES

THORN R M; FISHER M S; KRIPKE M L
CANCER BIOL. PROGRAM, NCI FREDERICK CANCER RES. CENT.,
FREDERICK, MD., 21701.

TRANSPLANTATION (BALTIMORE) 31 (2). 1981. 129-133.
Coden: TRPLA

Language: ENGLISH

Descriptors: SYNGENEIC UV INDUCED TUMORS FIBRO SARCOMAS
TUMOR GROWTH SUPPRESSOR T CELLS CYTO TOXIC EFFECTOR
LYMPHOCYTES THYMECTOMY SPLENECTOMY ADOPTIVE TRANSFER

Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(+02506); RADIATION
BIOL-RADTN,ISOTOP TECH(06504); RADIATION BIOL-RADTN
EFF,PROTECT(+06506); COMPARATIVE BIOCHEM-GENL STUDIES(10010);
BIOCHEM STUD-PROTEINS,PEPTIDES,AMINO ACD(10064); BIOCHEM
STUD-CARBOHYDR.(10068); MINERALS(10069); BIOPHYS-MEMBRANE
PHENOMENA(10508); ANATOMY/HISTOL-REGEN,TRANSPLANT(11107); CAR-
DIOVASC SYST-GENL STUDS,METHS(14501); BLOOD/BODY FLDS-BLD,LYM-
RES PATH(+15006); BLOOD/BODY FLDS-LYMPHAT TISS,RES(+15008);
ENDOCRINE SYST-THYMUS(+17016); BONE,JNTS,FASC,CONN/ADIP-PATHIO-
L(+18006); INTEGUMENT SYST-GENL STUDS,METHS(18501); ROUTES OF
IMMUNIZ,INFECT,THERAP(22100); TOXICOL-GENL/EXP STUDS,METHS(22-
501); NEOPLSMS/NEOPL AGNTS-IMMUNOLOGY(+24003); NEOPLSMS/NEOPL
AGNTS-CARCINOGENS(+24007); IN VITRO STUDS-CELLULR,SUBCELL(326-
00); IMMUNOL/IMMUNOCHEM-GEN METH(34502); IMMUNOL/IMMUNOCHEM-I-
MMUNOPATHOL(+34508)

Biosystematic Codes: MURIDAE(86375)

72003982

BIOCHEMICAL MORPHOLOGICAL AND ULTRASTRUCTURAL STUDIES ON THE UPTAKE OF LIPOSOMES BY MURINE MACROPHAGES

RAZ A; BUCANA C; FOGLER W E; POSTE G; FIDLER I J
 CANCER METASTASIS AND TREATMENT LAB., NATIONAL CANCER INST.
 FREDERICK CANCER RES. CENTER, FREDERICK, MARYLAND.
 .CANCER RES 41 (2). 1981. 487-494. Coden: CNREA

Language: ENGLISH

Descriptors: BOVINE SERUM ALBUMIN BRAIN PHOSPHATIDYL CHOLINE
 EGG PHAGOCYTOSIS

Concept Codes: MICROSCOPY-CYTOLOG,CYTOCHEM TECH(01054);
 ELECTRON MICROSCOPY(01058); CYTOLOGY/CYTOCHEM-ANIMAL(*02506);
 RADIATION BIOL-RADTN,ISOTOP TECH(06504); BIOCHEM STUD-GENERAL-
 (10060); BIOCHEM STUD-PROTEINS,PEPTIDES,AMINO ACD(10064);
 BIOCHEM STUD-LIPIDS(10066); BIOPHYS-GENERAL STUDIES(10502);
 BIOPHYS-MEMBRANE PHENOMENA(10508); ANATOMY/HISTOL-MICRO,ULTRA-
 MICRSCI(*11108); CHORDATE BODY REGNS-ABDOMEN(11314); BLOOD/BODY
 FLDS-BLOOD,LYMPH STUD(15002); BLOOD/BODY FLDS-LYMPHAT
 TISS.RES(*15008); NERVOUS SYST-GENL STUDS,METHS(20501);
 NEOPLSMS/NEOPL AGNTS-IMMUNOLOGY(*24003); DEVELOPMNTL BIOL-GEN-
 L,DESCRIPTIVE(25502); TISS CULTURE-APPARAT,METHS,MEDIA(32500);
 IN VITRO STUDS-CELLULR,SUBCELL(32600); IMMUNOL/IMMUNOCHEM-IMM-
 UNOPATHOL(*34508)

Biosystematic Codes: PLANTAE-UNSPECIFIED(11000); BOVIDAE(85-
 715); MURIDAE(86375)

72000304

SIMPLIFIED METHOD FOR TESTING THE SWIMMING BEHAVIOR OF THE MOUSE SHORT COMMUNICATION

KLAUS S; ERDMANN A
 ZIMET, BEUTENBERGSTR. 11, DDR-6900 JENA.
 Z VERSUCHSTIERKD 22 (5-6). 1980 (RECD. 1981). 296-298.
 Coden: ZEVRA

Language: GERMAN

Descriptors: MODEL CHI-SQUARE TEST

Concept Codes: GENERAL LABORATORY METHODS(01004); BEHAVIOR
 BIOL-GENL,COMPAR BEHAV(*07002); BEHAVIOR BIOL-ANIMAL
 BEHAVIOR(*07003); MOVEMENT(12100)

Biosystematic Codes: MURIDAE(86375)

72000265

FORAGING BEHAVIOR OF THE HONEY ANT MYRMECOCYSTUS-MEXICANUS IN COLORADO USA

CONWAY J R
 DEP. OF BIOL., ELMHURST COLL., ELMHURST, ILL. 60126.
 TRANS ILL STATE ACAD SCI 72 (3). 1980 (RECD. 1981).
 81-93. Coden: TISAA

Language: ENGLISH

Descriptors: ARACHNIDA CYNIPID GALL APHID SCRUB OAK YUCCA
 DEAD INSECT NECTAR

Concept Codes: BEHAVIOR BIOL-ANIMAL BEHAVIOR(*07003);
 ECOLOGY-ANIMAL(*07508); PATHOLOGY-NECROSIS(12510); NUTRITION-
 GENL,NUTR STATUS,METHS(*13202); PLANT PHYSIOL-REPRODUCTION(51-
 512); PHYTOPATHOL-DIS BY ANIM PARASITE(54508); INVERTEB

PHYSIOL-CHELICERATA(64060); INVERTEB PHYSIOL-INSECTA-PHYSIOL(*-
 64076)

Biosystematic Codes: AGAVACEAE(25210); FAGACEAE(26070);
 INSECTA-UNSPECIFIED(75300); DIPTERA(75314); HOMOPTERA(75324);
 HYMENOPTERA(75326)

72000249

ERGOT DRUGS SUPPRESS PLASMA PROLACTIN AND LACTATION BUT NOT AGGRESSION IN PARTURIENT MICE

MANN M; MICHAEL S D; SVARE B
 DEP. PSYCHOL., SUNY-ALBANY, 1400 WASHINGTON AVE., ALBANY,
 N.Y. 12222.

HORM BEHAV 14 (4). 1980 (RECD. 1981). 319-328. Coden:
 HOBEA

Language: ENGLISH

Descriptors: ERGOCORNINE HYDROGEN MALEATE 2 BROMO-ALPHA
 ERGOCRYPTINE AUTONOMIC-DRUG

Concept Codes: BEHAVIOR BIOL-ANIMAL BEHAVIOR(*07003);
 BIOCHEM STUD-PROTEINS,PEPTIDES,AMINO ACD(10064); METABOLISM-P-
 ROTNS,PEPTDS,AM ACDS(*13012); BLOOD/BODY FLDS-BLOOD,LYMPH
 STUD(15002); REPRODUCT SYST-PHYSIOL,BIOCHEM(*16504); ENDOCRINE
 SYST-PITUITARY(*17014); PSYCHIATRY-PSYCHOPHYSIOLOGY(*21003);
 PHARMACOL-DRUG METAB,METAB STIMU(22003); PHARMACOL-ENDOCRINE
 SYST(*22016); PHARMACOL-NEUROPHARMACOLOGY(*22024); PHARMACOL--
 PSYCHOPHARMACOLOGY(*22026); PHARMACOL-REPRODUCT SYST,IMPLANT(-
 *22028); PLANT PHYSIOL-CHEM CONSTITUENTS(51522); PHARMACOGNOS-
 Y/PHARMACEUT BOTANY(54000)

Biosystematic Codes: ASCOMYCETES(15100); MURIDAE(86375)

75037098 unavailable

75035132 unavailable

75027245 unavailable

75026130 unavailable

75026128 unavailable

71082414

UPTAKE OF CARNITINE BY SLICES OF RAT CEREBRAL CORTEX
HUTH P J; SCHMIDT M J; HALL P V; FARIELLO R G; SHUG A L
METABOLIC RES. LAB., WILLIAM S. MIDDLETON MEML. VETERANS
HOSP., 2500 OVERLOOK TERRACE, MADISON, WIS. 53705.
J NEUROCHEM 36 (2). 1981. 715-723. Coden: JONRA

Language: ENGLISH

Descriptors: NITROGEN QUABAIN CARBONYL CYANIDE, N
CHLOROPHENYL HYDRAZONE CHOLINE LYSINE N ETHYL MALEIMIDE GAMMA
BUTYRO, BETAINE POTASSIUM CYANIDE ACETYL CARNITINE 2 4 DI NITRO
PHENOL GAMMA AMINO BUTYRIC-ACID METABOLIC-DRUG GLUCOSE
POTASSIUM CALCIUM SODIUM DEPENDENCE

Concept Codes: RADIATION BIOL-RADTN, ISOTOP TECH(06504);
BIOCHEM-GASES(10012); BIOCHEM STUD-GENERAL(10060); BIOCHEM
STUD-PROTEINS, PEPTIDES, AMINO ACD(10064); BIOCHEM STUD-STEROLS,
STERIODS(10067); BIOCHEM STUD-CARBOHYDR.(10068); MINERALS(10-
069); EXTERN EFF-COLD(10616); METABOLISM-CARBOHYDRATES(13004);
METABOLISM-LIPIDS(13006); MINERALS(13010); METABOLISM-PROTNS,
PEPTOS, AM ACDS(13012); NERVOUS SYST-GENL STUDS, METHS(20501);
NERVOUS SYST-PHYSIOL, BIOCHEM(*20504); PHARMACOL-DRUG METAB, ME-
TAB STIMU(*22003); PHARMACOL-NEUROPHARMACOLOGY(*22024);
TEMPERATURE-GENL, METHS(23001); IN VITRO STUDS-CELLULR, SUBCELL-
(32600); PLANT PHYSIOL-CHEM CONSTITUENTS(51522); PHARMACOGNOS-
Y/PHARMACEUT BOTANY(54000)

Biosystematic Codes: APCYNACEAE(25580); MURIDAE(86375)

71081891

NITRITE INDUCED VOLATILE MUTAGENS FROM NORMAL HUMAN FECES
RAO B G; MACDONALD I A; HUTCHISON D M
CLIN. RES. CENT., DALHOUSIE UNIV., 5849 UNIVERSITY AVE.,
HALIFAX, NS, CAN., B3H 4H7.

CANCER (PHILA) 47 (5). 1981. 889-894. Coden: CANCA

Language: ENGLISH

Descriptors: SALMONELLA-TYPHIMURIUM ANIMAL POSSIBLE
CARCINOGEN SODIUM ASCORBATE ALPHA TOCOPHEROL ANTI MUTAGEN

Concept Codes: GENETICS/CYTOGENET-HUMAN(*03508); BIOCHEM
STUD-GENERAL(10060); BIOCHEM STUD-VITAMINS(10063); BIOCHEM
STUD-LIPIDS(10066); DIGESTIVE SYST-PHYSIOL, BIOCHEM(*14004);
TOXICOL-GENL/EXP STUDS, METHS(*22501); TEMPERATURE-GENL, METHS(-
23001); NEOPLSMS/NEOPL AGNTS-CARCINOGENS(*24007); BACTERIAL
AND VIRAL GENETICS(31500); MICROBIOLOG APPARAT, METHS, MEDIA(32-
000); IN VITRO STUDS-CELLULR, SUBCELL(32600)

Biosystematic Codes: ENTEROBACTERIACEAE(04810); VERTEBRATA--
UNSPECIFIED(85150); HOMINIDAE(86215)

71078430

ULTRASTRUCTURE OF HEMO GLOBIN DEPLETED HUMAN ERYTHROCYTE RE
SEALED GHOSTS

TING-BEALL H P; COSTELLO M J; SHOEMAKER D; HOLLAND V F
DEP. ANATOMY, DUKE UNIV. MED. CENT., DURHAM, NC 27710.
BIOCHIM BIOPHYS ACTA 640 (3). 1981. 807-811. Coden: BBACA

BBACA

Language: ENGLISH

Descriptors: FREEZE FRACTURE ELECTRON MICROSCOPY

Concept Codes: MICROSCOPY-CYTOLOG, CYTOCHEM TECH(01054);
ELECTRON MICROSCOPY(01058); CYTOLOGY/CYTOCHEM-HUMAN(02508);
BIOCHEM STUD-PROTEINS, PEPTIDES, AMINO ACD(*10064); BIOCHEM
STUD-PORPHYRINS, BILE PIGM(*10065); BIOPHYS-MEMBRANE PHENOMENA(-
*10508); EXTERN EFF-COLD(10616); ANATOMY/HISTOL-MICRO, ULTRAMI-
CRSC(*11108); BLOOD/BODY FLDS-BLOOD CELL STUDS(*15004);
TEMPERATURE-GENL, METHS(23001); TEMPERATURE-CRYOBIOLOGY(23004)

Biosystematic Codes: HOMINIDAE(86215)

71077042

UV EMISSIONS FROM THE ARC WELDING OF ALUMINUM MAGNESIUM
ALLOYS

BARTLEY D L; MCKINNERY W N JR; WIEGAND K R
NATIONAL INST. FOR OCCUPATIONAL SAFETY AND HEALTH, DIV. OF
PHYSICAL SCI. AND ENGINEERING, CONTROL TECHNOL. RES. BRANCH,
CINCINNATI, OHIO 45226.

AM IND HYG ASSOC J 42 (1). 1981. 23-31. Coden: AIHAA

Language: ENGLISH

Descriptors: ANIMAL CARCINOGENICITY DNA SKIN OCCUPATIONAL
HEALTH

Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(02506); RADIATION
BIOL-RADTN, ISOTOP TECH(06504); RADIATION BIOL-RADTN
EFF, PROTECT(*06506); COMPARATIVE BIOCHEM-GENL STUDIES(10010);
BIOCHEM-GASES(10012); BIOCHEM STUD-NUCL ACD, PURNS, PYRM(10062);
MINERALS(10069); EXTERN EFF-LIGHT, DARKNESS(10604); PATHOLOGY--
COMPARATIVE(12503); MINERALS(13010); METABOLISM-NUCL ACD, PURI-
NS, PYRM(13014); INTEGUMENT SYST-PATHOLOGY(*18506); NEOPLSMS/-
NEOPL AGNTS-CARCINOGENS(*24007); ENVIRON HEALTH-OCCUPATNL
HEALTH(*37013); ENVIRON HEALTH-AIR, WATR, SL POLLN(*37015);
ENVIRON HEALTH-RADIATION HEALTH(*37017); EPIDEMIOL-MISCELL
STUDIES(37056)

Biosystematic Codes: VERTEBRATA-UNSPECIFIED(85150)

71071217

A SOLID PHASE OPTO ELECTRONIC SENSOR FOR SERUM ALBUMIN

GOLDFINCH M J; LOWE C R
DEP. BIOCHEM., UNIV. SOUTHAMPTON, SOUTHAMPTON SO9 3TU,
ENGL., UK.

ANAL BIOCHEM 109 (2). 1980 (RECD. 1981). 216-221.
Codon: ANBCA

Language: ENGLISH

Descriptors: BOVINE

Concept Codes: BIOCHEM METH-PROTNS, PEPTDS, AM AC(*10054);
BIOCHEM STUD-PROTEINS, PEPTIDES, AMINO ACD(10064); BIOPHYS-GENE-
RAL BIOPHYS TECH(10504); BIOPHYS-BIOENGINEERING(*10511);
BLOOD/BODY FLDS-BLD, LYM, RES PATH(*15006)

Biosystematic Codes: BOVIDAE(85715)

71069379

PURIFICATION AND PROPERTIES OF PROTEINASE A EC-3.4.23.6 FROM YEAST

MEUSSDOERFFER F; TORTORA P; HOLZER H
 BIOCHEM. INST., UNIV., D-7800 FREIBURG, W. GER.
 J BIOL CHEM 255 (24). 1980 (RECD. 1981). 12087-12093.
 Coden: JBCHA

Language: ENGLISH

Descriptors: GLYCO PROTEIN MANNOSE GLUCOSAMINE GALACTOSAMINE
 CHROMATOGRAPHY ELECTROPHORESIS ULTRA CENTRIFUGATION

Concept Codes: BIOCHEM STUD-GENERAL(10060); BIOCHEM
 STUD-PROTEINS, PEPTIDES, AMINO ACID(10064); BIOCHEM STUD-PORPHYR-
 NS, BILE PIGM(10065); BIOCHEM STUD-CARBOHYDR.(10068);
 BIOPHYS-GENERAL BIOPHYS TECH(10504); BIOPHYS-MOLECUL
 PROP, MACROMOLEC(+10506); EXTERN EFF-TEMPERATURE(10614);
 ENZYMES-METHODS(+10804); ENZYMES-CHEM, PHYSICAL STUDIES(+10806);
 MOVEMENT(12100); BLOOD/BODY FLDS-BLOOD CELL STUDS(15004);
 TEMPERATURE-GENL, METHS(23001); PLANT PHYSIOL-TEMPERATURE(5150-
 3); PLANT PHYSIOL-ENZYMES(+51518); PLANT PHYSIOL-APPARATUS, ME-
 THDS(51524)

Biosystematic Codes: ASCOMYCETES(15100)

71067666

HYPERPLASIA OF SYRIAN HAMSTER EPIDERMIS INDUCED BY SINGLE BUT NOT MULTIPLE TREATMENTS WITH 12-O TETRA DECANOYL PHORBOL 13 ACETATE

SISSKIN E E; BARRETT J C
 ENVIRONMENTAL CARCINOGENESIS GROUP LAB. PULMONARY FUNCTION.
 TOXICOLOGY, NATIONAL INST. ENVIRONMENTAL HEALTH SCI., RES.
 TRIANGLE PARK, NC 27709.

CANCER RES 41 (1). 1981. 346-350. Coden: CNREA

Language: ENGLISH

Descriptors: MOUSE CARCINOGEN PAPILLOMA CARCINOMA TISSUE
 ADAPTATION SPECIES SPECIFICITY

Concept Codes: BIOCHEM STUD-GENERAL(10060); METABOLISM-GENL
 STUD, METAB PATHW(13002); INTEGUMENT SYST-GENL STUDS, METHS(185-
 01); INTEGUMENT SYST-PATHOLOGY(+18506); ROUTES OF
 IMMUNIZ, INFECT, THERAP(22100); TOXICOL-GENL/EXP STUDS, METHS(+2-
 2501); NEOPLSMS/NEOPL AGNTS-CARCINOGENS(+24007); PLANT
 PHYSIOL-CHEM CONSTITUENTS(51522)

Biosystematic Codes: EUPHORBIACEAE(26055); CRICETIDAE(86310);
 MURIDAE(86375)

71067662

TEMPORAL PATTERNS OF COVALENT DNA ADDUCTS IN RAT LIVER AFTER SINGLE AND MULTIPLE DOSES OF AFLA TOXIN B-1

CROY R G; WOGAN G N
 DEP. NUTRITION, FOOD SCI., MASSACHUSETTS INST. TECHINOL.,
 CAMBRIDGE, MASSACHUSETTS 02139.

CANCER RES 41 (1). 1981. 197-203. Coden: CNREA

Language: ENGLISH

Descriptors: AFLA TOXIN P-1 CARCINOGEN HEPATO CELLULAR
 CARCINOMA

Concept Codes: COMPARATIVE BIOCHEM-GENL STUDIES(10010);

BIOCHEM STUD-GENERAL(10060); BIOCHEM STUD-NUCL ACID, PURNS, PYRM-
 (10062); CHORDATE BODY REGNS-ABDOMEN(11314); METABOLISM-GENL
 STUD, METAB PATHW(+13002); METABOLISM-NUCL ACID, PURINS, PYRIM(+1-
 3014); DIGESTIVE SYST-PHYSIOL, BIOCHEM(+14004); DIGESTIVE
 SYST-PATHOLOGY(+14006); ROUTES OF IMMUNIZ, INFECT, THERAP(22100);
 TOXICOL-GENL/EXP STUDS, METHS(+22501); NEOPLSMS/NEOPL
 AGNTS-CARCINOGENS(+24007); MED/CLIN MICROBIOL-MYCOLOGY(36008);
 PLANT PHYSIOL-CHEM CONSTITUENTS(51522)

Biosystematic Codes: DEUTEROMYCETES(15500); MURIDAE(86375)

71067642

CIRCULATING GRANULOCYTIC AND ERYTHROID PROGENITOR CELLS IN CHRONIC GRANULOCYTIC LEUKEMIA

GOLDMAN J M; SHIOTA F; TH'NG K H; ORCHARD K H
 MRC LEUKAEMIA UNIT, HAMMERSMITH HOSP. AND ROYAL POSTGRADUATE
 MED. SCH., LONDON W12 0HS.

BR J HAEMATOL 46 (1). 1980. 7-14. Coden: BJHEA

Language: ENGLISH

Descriptors: HUMAN GRANULOCYTE COMMITTED PROGENITOR CELLS
 MACROPHAGE COMMITTED PROGENITOR CELLS ERYTHROID BURST FORMING
 UNITS LEUKOCYTE COUNT CIRCULATING BLAST CELLS CLONAL EXPANSION
 ERYTHROPOIETIN

Concept Codes: CYTOLOGY/CYTOCHEM-HUMAN(02508); MATHEMATIC
 BIOL/STATISTIC METH(04500); BIOCHEM STUD-PROTEINS, PEPTIDES, AM-
 INO ACID(10064); BIOCHEM STUD-CARBOHYDR.(10068); BLOOD/BODY
 FLDS-BLOOD CELL STUDS(+15004); BLOOD/BODY FLDS-BLD, LYM, RES
 PATH(15006); BLOOD/BODY FLDS-LYMPHAT TISS, RES(+15008);
 ENDOCRINE SYST-GENERAL STUDIES(+17002); NEOPLSMS/NEOPL
 AGNTS-BLOOD, RES(+24010); DEVELOPMNTL BIOL-GEN MORPHGENESIS(+25-
 508); TISS CULTURE-APPARAT, METHS, MEDIA(32500); IN VITRO
 STUDS-CELLULAR, SUBCELL(32600)

Biosystematic Codes: HOMINIDAE(86215)

DIALOG File55: BIOSIS Previews - 1969 thru 1976 (Copr. Biological Abstracts Inc.) (Item 269 of 433) User 3614 25Jan83 1937

71065586

EFFECT OF WEATHER FACTORS ON HONEY BEE APIS-MELLIFERA FLIGHT ACTIVITY AND COLONY WEIGHT GAIN

SZABO T I
RES. BRANCH, AGRIC. CAN. RES. STN., BOX 29, BEAVER LODGE,
ALBERTA, CAN. T0H 0C0.

J APIC RES 19 (3). 1980 (RECD. 1981). 164-171. Coden:
JACRA

Language: ENGLISH

Descriptors: HUMIDITY TEMPERATURE WIND SPEED LIGHT INTENSITY
OVER WINTERED COLONY BREEDING SELECTION

Concept Codes: MATHEMATIC BIOL/STATISTIC METH(04500);
ECOLOGY-BIOCLIMATOL,BIOMETEOROL(*07504); EXTERN EFF-LIGHT,DAR-
KNES(10604); EXTERN EFF-TEMPERATURE(10614); EXTERN
EFF-HUMIDITY(10620); MOVEMENT(12100); REPRODUCT SYST-GENL
STUDS,METHS(16501); TEMPERATURE-HYPO,HYPERTHERMIA(23006); DEV-
ELOPMNTL BIOL-GEN MORPHGENSIS(25508); ECONOM ENTOMOL-APICULTU-
RE(*60018); INVERTB PHYSIOL-INSECTA-PHYSIOL(*64076)

Biosystematic Codes: HYMENOPTERA(75326)

71063425

PROTEIN SECRETION IN SUSPENSIONS OF ISOLATED RAT HEPATOCYTES
NO INFLUENCE OF ACUTE ETHANOL ADMINISTRATION

MORLAND J; ROTHSCHILD M A; ORATZ M; MONGELLI J; DONOR D;
SCHREIBER S S

NUCL. MED. SERV., N.Y. VETERANS ADM. MED. CENT., FIRST AVE.
AT E. 24TH ST., NEW YORK, N.Y. 10010.

GASTROENTEROLOGY 80 (1). 1981. 159-165. Coden: GASTA

Language: ENGLISH

Descriptors: BOVINE PENICILLIN STREPTOMYCIN COLCHICINE CYCLO
HEXIMIDE METABOLIC-DRUG COLLAGENASE

Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(*02506); RADIATION
BIOL-RADTN,ISOTOP TECH(06504); BIOCHEM STUD-GENERAL(10060);
BIOCHEM STUD-PROTEINS,PEPTIDES,AMINO ACD(10064); BIOCHEM
STUD-CARBOHYDR.(10068); BIOPHYS-MEMBRANE PHENOMENA(10508);
ENZYMES-METHODS(10804); MOVEMENT(12100); METABOLISM-GENL
STUD,METAB PATHW(13002); METABOLISM-PROTNS,PEPTDS,AM ACDS(*13-
012); NUTRITION-GENL,NUTR STATUS,METHS(13202); DIGESTIVE
SYST-PHYSIOL,BIOCHEM(*14004);

BONE,JNTS,FASC,CONN/ADIP-PHY,BCH(18004); PHARMACOL-DRUG METAB-
METAB STIMU(*22003); TOXICOL-GENL/EXP STUDS,METHS(*22501);
TISS CULTURE-APPARAT,METHS,MEDIA(*32500); IN VITRO
STUDS-CELLULR,SUBCELL(32600); CHEMOTHERAPY-GEN STUD,METH,META-
B(38502); PLANT PHYSIOL-CHEM CONSTITUENTS(51522); PHARMACOGNO-
SY/PHARMACEUT BOTANY(54000); PEST CONTRL GENL/PESTICS/HERBICS-
(54600)

Biosystematic Codes: LILIACEAE(25345); BOVIDAE(85715);
MURIDAE(86375); ABSTRACTS OF MYCOLOGY(95000)

71061944

LITHIUM CARBONATE IN THE TREATMENT OF CLUSTER HEAD ACHES

DAMASIO H; LYON L

DEP. NEUROL., UNIV. IOWA COLL. MED., IOWA CITY, IOWA 52242,
USA.

J NEUROL 224 (1). 1980. 1-8. Coden: JNRYA

Language: ENGLISH

Descriptors: HUMAN RENAL FUNCTION METABOLIC-DRUG SIDE EFFECT
BI POLAR ILLNESS PHARMACO KINETICS

Concept Codes: BEHAVIOR BIOL-HUMAN BEHAVIOR(07004);
MINERALS(10069); CHORDATE BODY REGNS-HEAD(11304); PATHOLOGY-T-
HERAPY(12512); MINERALS(13010); URIN SYST/EXT SECR-PHYSL,BIOC-
HEM(*15504); NERVOUS SYST-GENL STUDS,METHS(20501); NERVOUS
SYST-PATHOLOGY(*20506);

PSYCHIATRY-PSYCPATH-DYMN,THERAP(21002); PHARMACOL-DRUG METAB-
METAB STIMU(*22003); PHARMACOL-CLINICAL PHARMACOL(22005);

PHARMACOL-NEUROPHARMACOLOGY(*22024);

PHARMACOL-PSYCHOPHARMACOLOGY(*22026);

TOXICOL-PHARMACOLOGICAL(22504); GERONTOLOGY(24500)

Biosystematic Codes: HOMINIDAE(86215)

71053681

NONENZYMATIC REDUCTION OF NITROSO BENZENE TO PHENYL
HYDROXYLAMINE BY NADPH

BECKER A R; STERNSON L A

DEP. PHARM. CHEM., UNIV KANS., LAWRENCE, KANS. 66045.

BIOORG CHEM 9 (3). 1980. 305-312. Coden: BOCMB

Language: ENGLISH

Descriptors: ARYLAMINE CARCINOGENESIS

Concept Codes: BIOCHEM STUD-GENERAL(*10060); BIOCHEM/
STUD-NUCL ACD,PURNS,PYRM(10062); BIOPHYS-GENERAL BIOPHYS

TECH(10504); ENZYMES-GEN,COMPAR STUD,COENZYMS(*10802);
TOXICOL-GENL/EXP STUDS,METHS(*22501); NEOPLSMS/NEOPL AGNTS-CA-

RCINOGENS(*24007)

71044404

URINARY EXCRETION OF CATECHOLAMINES IN HEALTHY SUBJECTS IN RELATION TO BODY GROWTH

PARRA A; RAMIREZ DEL ANGEL A; CERVANTES C; SANCHEZ M
DIV. DE BIDL. DE LA REPRODUCCION, CENTRO MED. NACIONAL.
IMSS, APARTADO POSTAL 12-1184, MEXICO 12, D.F. MEXICO.
ACTA ENDOCRINOL 94 (4). 1980. 546-551. Coden: ACENA

Language: ENGLISH

Descriptors: HUMAN DOPAMINE NOREPINEPHRINE EPINEPHRINE
THYROID HORMONE HEMO GLOBIN HEMATOCRIT AGE

Concept Codes: MATHEMATIC BIOL/STATISTIC METH(04500); CLIN
BIOCHEM-GENL STUDIES(10006); COMPARATIVE BIOCHEM-GENL
STUDIES(10010); BIOCHEM-GASES(10012); BIOCHEM STUD-PROTEINS, P-
PTIDES, AMINO ACD(10064); BIOCHEM STUD-PORPHYRINS, BILE
PIGMENT(10065); MINERALS(10069); PHYSIOLOGY-GENERAL STUDIES(+120-
02); METABOLISM-ENERGY, RESPIRATION(13003); METABOLISM-PROTNS, P-
PTIDS, AM ACDS(+13012); BLOOD/BODY FLDS-BLOOD, LYMPH
STUD(15002); BLOOD/BODY FLDS-BLOOD CELL STUDS(+15004); URIN
SYST/EXT SECR-PHYSL, BIOCHEM(+15504); ENDOCRINE SYST-ADRENALS(+
17004); ENDOCRINE SYST-THYROID(+17018); ENDOCRINE
SYST-NEUROENDOCRINOLOG(+17020); NERVOUS SYST-PHYSIOL, BIOCHEM(+
20504); DEVELOPMNTL BIDL-GEN MORPHGENSIS(+25508)

Biosystematic Codes: HOMINIDAE(86215)

71044379

REMISSION OF PITUITARY DEPENDENT CUSHINGS DISEASE AFTER REMOVAL OF NONNEOPLASTIC PITUITARY GLAND

TAYLOR H C; VELASCO M E; BRODKEY J S
DIV. ENDOCRINOL., LUTHERAN MED. CENT., 2609 FRANKLIN BLVD.,
CLEVELAND, OH 44113.

ARCH INTERN MED 140 (10). 1980. 1366-1368. Coden: AIMDA

Language: ENGLISH

Descriptors: HUMAN ACTH OVER PRODUCTION HYPER CORTISOLISM
CORTICOTROPH CELL HYPERPLASIA HYPOPHYSECTOMY

Concept Codes: MICROSCOPY-HISTOL, HISTOCHEM TECH(01056);
CYTOLOGY/CYTOCHEM-HUMAN(02508); CLIN BIOCHEM-GENL STUDIES(100-
06); BIOCHEM STUD-PROTEINS, PEPTIDES, AMINO ACD(10064); BIOCHEM
STUD-STEROLS, STEROIDS(10067);
ANATOMY/HISTOL-EXPERIMENTAL(11104);
METABOLISM-STEROLS, STEROIDS(+13008);
METABOLISM-PROTNS, PEPTIDS, AM ACDS(+13012); METABOLISM-METABOLIC
DISORDERS(+13020); ENDOCRINE SYST-ADRENALS(+17004); ENDOCRINE
SYST-PITUITARY(+17014); NEOPLSMS/NEOPL AGNTS-BIOCHEM(24006)

Biosystematic Codes: HOMINIDAE(86215)

71042498

CHANGES IN THE STABILITY OF PHAGE 812 VIRIONS REVOKED BY OVERLOADING/.

NEMEC M; CIMELAR D; HODAK K
KATEDRA MIKROBIOL., GENET. MOL. BIOL., PRIRODOVEDECKE FAK.,
BRNO, KOTLARSKA 2, CESHOSLOVENSKO.

FOLIA FAC SCI NAT UNIV PURKYNIANAE BRUN BIOL 21 (4). 1980.
85-92. Coden: FFUBA

Language: ENGLISH

Concept Codes: BIOPHYS-GENERAL BIOPHYS TECH(10504);
MOVEMENT(12100); MICROBIOLOG APPARAT, METHS, MEDIA(32000);
VIROLOGY-BACTERIOPHAGE(+33504)

Biosystematic Codes: (02110)

71026415

PROLACTIN RESPONSE TO EXERCISE METOCLOPRAMIDE AND OTHER PROVOCATIVE AGENTS IN CHILDREN

IJAIYA K
DEP. PAEDIATRICS, AHMADU BELLO UNIV. TEACHING HOSP., KADUNA,
NIGERIA.

EUR J PEDIATR 134 (3). 1980. 231-238. Coden: EJPED

Language: ENGLISH

Descriptors: PROCAINAMIDE AUTONOMIC-DRUG DIAGNOSTIC-DRUG
ARGININE METABOLIC-DRUG THYROLIBERIN INSULIN HORMONE-DRUG
THYROTROPIN GROWTH HORMONE NO SIDE EFFECTS

Concept Codes: COMPARATIVE BIOCHEM-GENL STUDIES(10010);
BIOCHEM STUD-GENERAL(10060); BIOCHEM STUD-PROTEINS, PEPTIDES, A-
MINO ACD(10064); BIOCHEM STUD-CARBOHYDR. (10068); PHYSIOLOGY-E-
XERCISE, PHYS THERAP(+12010); PATHOLOGY-DIAGNOSTIC(12504);
METABOLISM-CARBOHYDRATES(13004); METABOLISM-PROTNS, PEPTIDS, AM
ACDS(+13012); CARDIOVASC SYST-GENL STUDS, METHS(14501);
BLOOD/BODY FLDS-BLOOD, LYMPH STUD(15002); ENDOCRINE
SYST-PANCREAS(+17008); ENDOCRINE SYST-PITUITARY(+17014);
ENDOCRINE SYST-NEUROENDOCRINOLOG(+17020); DENTAL/DRAL BIOL-GE-
NL STUD, METHS(19001); PHARMACOL-DRUG METAB, METAB STIMU(22003);
PHARMACOL-CLINICAL PHARMACOL(22005); PHARMACOL-ENDOCRINE
SYST(+22016); PHARMACOL-NEUROPHARMACOLOGY(+22024); ROUTES OF
IMMUNIZ, INFECT, THERAP(22100); TOXICOL-PHARMACOLOGICAL(+22504);
PEDIATRICS(25000)

Biosystematic Codes: HOMINIDAE(86215)

71021033

N-5-4 AMINOPHENOXYPENTYL PHTHALIMIDE AS A POTENTIAL DE
FLEECING AGENT AND ITS EFFECT ON WOOL GROWTH
TUNKS D A; RIGBY R D G; DOWNES A M; LAMBERTON J A; PANARETTO
B A; REIS P J

DIV. ANIM. PROD., C.S.I.R.O., P.O. BOX 239, BLACKTOWN,
N.S.W. 2148, AUST.

AUST J AGRIC RES 31 (4). 1980. 791-796. Coden: AJAEA

Language: ENGLISH

Descriptors: LIVER FLUKE BLINDNESS STATISTICS

Concept Codes: GENETICS/CYTOGENET-ANIMAL(03506); MATHEMATIC
BIOL/STATISTIC METH(04500); BIOCHEM STUD-GENERAL(10060);
ANATOMY/HISTOL-COMPARATIVE(11103);

PHYSIOLOGY-COMPARATIVE(12003); FOOD TECH-SYNTH,SUPPL,ENRICH
FDS(+13534); DIGESTIVE SYST-GENL STUDS,METHS(14001); DIGESTIVE
SYST-PHYSIOL,BIOCHEM(+14004); INTEGUMENT SYST-GENL STUDS,METH-
S(18501); INTEGUMENT SYST-PATHOLOGY(+18506); DENTAL/DRAL
BIOL-GENL STUD,METHS(19001); SENSE ORGANS-PATHOLOGY(+20006);
ROUTES OF IMMUNIZ,INFECT,THERAP(22100); TOXICOL-PHARMACOLOGIC-
AL(+22504); TOXICOL-VETERINARY(+22508); DEVELOPMNTL BIOL-GEN
MORPHGENSIS(+25508); VETERINARY SCI-PATHOLOGY(+38004);
CHEMOTHERAPY-ANTIPARASITIC AGNTS(+38510); INVERTB PHYSIOL-PLA-
TYHELMINTHES(+64010)

Biosystematic Codes: TREMATODA(45200); BOVIDAE(85715)

71008866

EFFECTS OF MICRO ARTHROPODS ON THE SEASONAL DYNAMICS OF
NUTRIENTS IN FOREST LITTER

SEASTEDT T R; CROSSLEY D A JR

INST. ECOL., UNIV. GA., ATHENS, GA. 30602, USA.

SOIL BIOL BIOCHEM 12 (4). 1980. 337-342. Coden: SBIOA

Language: ENGLISH

Descriptors: MICROBE DECIDUOUS FOREST MITE COLLEMBOLAN
NORTH-CAROLINA USA DENSITY PRECIPITATION FEEDING NAPHTHALENE
MINERAL COMMINUTION

Concept Codes: ECOLOGY-GENL STUDIES,METHODS(+07502);
ECOLOGY-BIOCLIMATOL,BIOMETEOROL(07504); ECOLOGY-ANIMAL(+07508)
; ECOLOGY-WATR RESRCH,FISHERY BIOL(07517); BIOCHEM
STUD-GENERAL(10060); MINERALS(10069); MOVEMENT(12100);
NUTRITION-GENL,NUTR STATUS,METHS(+13202); MICROORGANISMS-GENL-
MIXED,UNSPEC(+29500); SOIL MICROBIOLOGY(+40000); SOIL
SCI-GENL STUDS,METHS(52801); SOIL SCI-PHYSICS,CHEMISTRY(+5280-
5); INVERTB PHYSIOL-ARTHROPODA,GENL(+64052); INVERTB
PHYSIOL-CHELICERATA(+64060); INVERTB PHYSIOL-INSECTA-PHYSIOL(-
+64076)

Biosystematic Codes: MICROORGANISMS-UNSPECIFIED(01000);
TRACHEOPHYTA(22000); ARTHROPODA-UNSPECIFIED(75000); COLLEMBOL-
A(75306); ACARINA(75403)

57063502 unavailable

FORMATION OF A MICRO TUBULE NEURO FILAMENT COMPLEX IN-VITRO
RUNGE M S; WILLIAMS R C JR

DEP. MOL. BIOL., VANDERBILT UNIV., NASHVILLE, TN 37235.
25TH ANNUAL MEETING OF THE BIOPHYSICAL SOCIETY, DENVER,
COLO., USA, FEB. 23-25, 1981. BIOPHYS J 33 (2 PART 2). 1981.
247A. Coden: BIOJA

Language: ENGLISH

Descriptors: ABSTRACT VISCOSITY SEDIMENTATION VELOCITY

Concept Codes: GENL BIOL-SYMPOSIA,PRCDNGS,REVW(00520);
BIOCHEM STUD-PROTEINS,PEPTIDES,AMINO ACD(+10064); BIOPHYS-GEN-
ERAL STUDIES(+10502); NERVOUS SYST-PHYSIOL,BIOCHEM(+20504)

Biosystematic Codes: VERTEBRATA-UNSPECIFIED(85150)

21050334

CECAL AMOEBIASIS IN ALBINO MICE AN EXPERIMENTAL MODEL

RAY D K; CHATTERJEE D K

CIBA-GEIGY RES. CENT., AAREY ROAD, GOREGAON EAST, P.O. BOX
9002, BOMBAY-400063, INDIA.

ANN TROP MED PARASITOL 75 (2). 1981. 255-256. Coden:
ATMPA

Language: ENGLISH

Descriptors: ENTAMOEBA-HISTOLYTICA HUMAN MAGNESIUM SULFATE
ANTIPARASITIC-DRUG

Concept Codes: MINERALS(10069); PATHOLOGY-THERAPY(12512);
DIGESTIVE SYST-PATHOLOGY(+14006); PHARMACOL-DIGESTIVE SYST(22-
014); CHEMOTHERAPY-ANTIPARASITIC AGNTS(+38510); PARASITOLOGY-
GENERAL(+60502); PARASITOLOGY-MEDICAL(+60504); INVERTB
PHYSIOL-PROTOZOA(+64002)

Biosystematic Codes: SARCODINA(35300); HOMINIDAE(86215);
MURIDAE(86375)

DIALOG File55: BIOSIS Previews - 1969 thru 1976 (Copr. Biological Abstracts Inc.) (Item 282 of 433) User 3614 25Jan83 1940

21047188

CHLORAMBUCILYL TRITIUM LABELED PHENYL ALANYL TRANSFER RNA
CROSS LINKING TO 50S RIBOSOMAL SUBUNIT PROTEINS L-4 L-26 L-27
L-18 L-19 AND L-20

WICKSTROM E; PARKER K K; HURSH D A; NEWTON R L
DEP. CHEM., UNIV. DENVER, DENVER, COLO. 80208, USA.
FEBS (FED EUR BIOCHEM SOC) LETT 123 (2). 1981. 273-276.
Coden: FEBLA

Language: ENGLISH
Descriptors: ESCHERICHIA-COLI
Concept Codes: RADIATION BIOL-RADTN,ISOTOP TECH(06504);
BIOCHEM METH-NUCL ACD,PURNS,PYRM(10052); BIOCHEM METH-PROTNS,-
PEPTDS,AM AC(10054); BIOCHEM STUD-GENERAL(10060); BIOCHEM
STUD-NUCL ACD,PURNS,PYRM(+10062); BIOCHEM STUD-PROTEINS,PEPTI-
DES,AMINO ACD(+10064); REPLICATN,TRANSCRIPTN,TRANSLATN(+10300)
; BIOPHYS-MOLECUL PROP,MACROMOLEC(+10506); METABOLISM-PROTNS,-
PEPTDS,AM ACDS(+13012); BACTERIA-PHYSIOLOGY,BIOCHEMISTRY(+310-
00); BACTERIAL AND VIRAL GENETICS(+31500); MICROBIOLOG
APPARAT,METHS,MEDIA(32000)
Biosystematic Codes: ENTEROBACTERIACEAE(04810)

21041440

THE MEASUREMENT OF VERBAL LEARNING IN DENTAL EDUCATION
STRAWN C E; BAGRAMIAN R A
UNIV. MICH., ANN ARBOR, MI.
59TH MEETING OF THE INTERNATIONAL ASSOCIATION FOR DENTAL
RESEARCH AND THE ANNUAL MEETING OF THE AMERICAN ASSOCIATION
FOR DENTAL RESEARCH, CHICAGO, ILL., USA, MARCH 19-22, 1981. J
DENT RES 60 (SPEC. ISSUE A). 1981. 511. Coden: JDREA

Language: ENGLISH
Descriptors: ABSTRACT HUMAN EDUCATION CLOZE TEST
Concept Codes: GENL BIOL-TXIBKS,EDUCATN,AUD-VIS(+00514);
GENL BIOL-SYMPOSIA,PROCDNGS,REVW(00520); BEHAVIOR BIOL-HUMAN
BEHAVIOR(+07004); PHYSIOLOGY-METHODS(12006); DENTAL/ORAL
BIOL-GENL STUD,METHS(19001); NERVOUS SYST-GENL STUDS,METHS(20-
501); NERVOUS SYST-PHYSIOL,BIOCHEM(+20504); PSYCHIATRY-GEN,MED
PSYCHL/SOCIOL(+21001)
Biosystematic Codes: HOMINIDAE(86215)

21041434

CHILDRENS ABILITY TO EVALUATE TELEVISION COMMERCIAL MESSAGES
FOR SUGARED PRODUCTS
LAMBO A M; JENNY J
UNIV. WIS.-MADISON.
59TH MEETING OF THE INTERNATIONAL ASSOCIATION FOR DENTAL
RESEARCH AND THE ANNUAL MEETING OF THE AMERICAN ASSOCIATION
FOR DENTAL RESEARCH, CHICAGO, ILL., USA, MARCH 19-22, 1981. J
DENT RES 60 (SPEC. ISSUE A). 1981. 357. Coden: JDREA

Language: ENGLISH
Descriptors: ABSTRACT CARIOGENIC POTENTIAL
Concept Codes: GENL BIOL-SYMPOSIA,PROCDNGS,REVW(00520);
PHOTOGRAPHY-METHS,MATLS,APPARAT(01012); BEHAVIOR BIOL-HUMAN
BEHAVIOR(+07004); BIOCHEM STUD-CARBOHYDR.(10068); NUTRITION-P-
ATHOGENIC DIFFS(+13216); NUTRITION-CARBOHYDRATES(+13220);

DENTAL/ORAL BIOL-PATHOLOGY(+19006); NERVOUS SYST-PHYSIOL,BIOC-
HEM(+20504); PSYCHIATRY-GEN,MED PSYCHL/SOCIOL(+21001);
PEDIATRICS(+25000); MED/CLIN MICROBIOL-GEN,METH,TECH(36001)
Biosystematic Codes: MICROORGANISMS-UNSPECIFIED(01000);
HOMINIDAE(86215)

21037617

AN X-RAY MICRO ANALYTICAL STUDY OF CALCIUM
COMPARTMENTALIZATION IN CALLIPHORA SALIVARY GLANDS
BARNARD T; HALL T; GUPTA B
BIOL. MICROPROBE LAB., DEP. ZOOL., UNIV. CAMBRIDGE,
CAMBRIDGE CB2 3EJ, ENGLAND.

33RD ANNUAL MEETING OF THE SCANDINAVIAN SOCIETY FOR ELECTRON
MICROSCOPY, AARHUS, DENMARK, JUNE 9-11, 1980. J ULTRASTRUCT
RES 73 (1). 1980 (RECD. 1981). 120. Coden: JULRA

Language: ENGLISH
Descriptors: ABSTRACT MITOCHONDRIA
Concept Codes: GENL BIOL-SYMPOSIA,PROCDNGS,REVW(00520);
CYTOLOGY/CYTOCHEM-ANIMAL(+02506); RADIATION BIOL-RADTN,ISOTOP
TECH(06504); BIOCHEM METH-MINERALS(10059); MINERALS(10069);
BIOPHYS-MEMBRANE PHENOMENA(10508); ANATOMY/HISTOL-MICRO,ULTRA-
MICRSC(+11108); MINERALS(+13010); DIGESTIVE SYST-PHYSIOL,BIOC-
HEM(14004); DENTAL/ORAL BIOL-PHYSIOL,BIOCHEM(+19004); INVERTB
PHYSIOL-INSECTA-PHYSIOL(+64076)
Biosystematic Codes: DIPTERA(75314)

21035838

EFFECT OF ESTRADIOL ON HYPOTHALAMIC LUTEINIZING HORMONE
RELEASING HORMONE CONTENTS IN PREGNANT RATS

YAMASHITA S; KATO H; FUJINO T; UEDA K; TOYOSHIMA H;
HIRATSUKA K; TORIGOE T
DEP. OBST., GYNEC., YAMAGUCHI UNIV. SCH. MED., YAMAGUCHI.

32ND ANNUAL MEETING OF THE JAPAN SOCIETY OF OBSTETRICS AND
GYNECOLOGY, TOKYO, JAPAN, MAY 9-12, 1980. ACTA OBSTET GYNAECOL
JPN (JPN ED) 32 (12). 1980. 2107. Coden: NISFA

Language: ENGLISH
Descriptors: ABSTRACT HORMONE-DRUG CONCEPTUS NUMBER
Concept Codes: GENL BIOL-SYMPOSIA,PROCDNGS,REVW(00520);
BIOCHEM STUD-PROTEINS,PEPTIDES,AMINO ACD(10064); BIOCHEM
STUD-STEROLS,STEROIDS(10067);
METABOLISM-STEROLS,STEROIDS(13008);
METABOLISM-PROTNS,PEPTDS,AM ACDS(13012); REPRODUCT SYST-PHYSI-
OL,BIOCHEM(+16504); ENDOCRINE SYST-GENERAL STUDIES(+17002);
ENDOCRINE SYST-GONADS,PLACENTA(+17006); ENDOCRINE SYST-NEUROE-
NDOCRINOLOG(+17020); NERVOUS SYST-GENL STUDS,METHS(20501);
PHARMACOL-DRUG METAB,METAB STIMU(22003); PHARMACOL-ENDOCRINE
SYST(+22016); DEVELOPMNTL BIOL-GENL,DESCRIPTIVE(+25502)
Biosystematic Codes: MURIDAE(86375)

21030498

EFFECT OF PERIODIC INCREASES IN CALCIUM ON EGG PRODUCTION AND EGG SHELL QUALITY OF SINGLE COMB WHITE LEGHORN HENS REARED ON LOW CALCIUM DIETS

ODOM T W; HARRISON P C; DARRE M J; BROWN D E; STATEN F E
ANIMAL SCI. DEP., UNIV. ILL., 124 ANIMAL SCI. LAB., URBANA, ILL., 61801.

69TH ANNUAL MEETING OF THE POULTRY SCIENCE ASSOCIATION, INC. POULT SCI 59 (7). 1980. 1645. Coden: POSCA

Language: ENGLISH

Descriptors: ABSTRACT PARATHYROID GLAND WEIGHT

Concept Codes: GENL BIOL-SYMPOSIA, PROCDNGS, REVW(00520); MINERALS(10069); PHYSIOLOGY-GENERAL STUDIES(12002); MINERALS(+13010); NUTRITION-MINERALS(+13206); FOOD TECH-POULTRY, EGGS(+13520); REPRODUCT SYST-PHYSIOL, BIOCHEM(+16504); ENDOCRINE SYST-PARATHYROID(17010); POULTRY PRODUCTN-FEEDS, FEEDING(+2700-4)

Biosystematic Codes: GALLIFORMES(85536)

21030156

GROWTH OF THE MODERATE HALOPHILE VIBRIO-COSTICOLUS IN MITOMYCIN C

FLEFIL L; MATHEMEIER P F
DEP. MICROBIOL., UNIV. SOUTHWEST. LA., LAFAYETTE, LA. 70504.
81ST ANNUAL MEETING OF THE AMERICAN SOCIETY FOR MICROBIOLOGY, DALLAS, TEX., USA, MARCH 1-6, 1981. ABSTR ANNU MEET AM SOC MICROBIOL 81 (0). 1981. 107. Coden: ASMAC

Language: ENGLISH

Descriptors: ABSTRACT TEMPERATURE GENERATION TIME

Concept Codes: GENL BIOL-SYMPOSIA, PROCDNGS, REVW(00520); BIOCHEM METH-GENERAL(10050); BIOCHEM STUD-GENERAL(10060); MINERALS(10069); EXTERN EFF-TEMPERATURE(+10614); MINERALS(+13010); PHARMACOL-GENERAL STUDIES(+22002); TEMPERATURE-GENL, METHS(23001); BACTERIOLOGY-GENL, TAXONOM STUOS(+30000); BACTERIA--PHYSIOLOGY, BIOCHEMISTRY(+31000); MICROBIOLOG APPARAT, METHS, MEDIA(32000); CHEMOTHERAPY-GEN STUD, METH, METAB(+38502)

Biosystematic Codes: VIBRIONACEAE(04812)

21020070

NEUTRON DOSIMETRY OF CRITICALITY ACCIDENTS USING A COMBINATION OF HAIR AND BLOOD ACTIVATION

HANKINS D E
HAZARDS CONTROL DEP., LAWRENCE LIVERMORE LAB., P.O. BOX 5505, LIVERMORE, CALIF. 94550, USA.

24TH ANNUAL MEETING OF THE HEALTH PHYSICS SOCIETY, HEALTH PHYS 37 (6). 1979 (RECD. 1980). 844-845. Coden: HLTPA

Language: ENGLISH

Descriptors: ABSTRACT HUMAN MONITORING TECHNIQUE OCCUPATIONAL HEALTH USA NUCLEAR REGULATORY COMMISSION

Concept Codes: GENL BIOL-INSTITUT, ADMIN, LEGISLN(00508); GENL BIOL-SYMPOSIA, PROCDNGS, REVW(00520); GENERAL FIELD METHODS(01008); GENERAL FIELD APPARATUS(01010); CYTOLOGY/CYTOCHEM-HUMAN(02508); RADIATION BIOL-RADTN, ISOTOP TECH(06504); RADIATION BIOL-RADTN EFF, PROTECT(+06506); BIOCHEM METH-MINERALS(10059);

MINERALS(10069); BIOPHYS-GENERAL BIOPHYS TECH(10504); BIOPHYS-BIOENGINEERING(10511); PATHOLOGY-COMPARATIVE(12503); PATHOLOGY-DIAGNOSTIC(12504); MINERALS(13010); BLOOD/BODY FLDS-BLOOD, LYMPH STUD(+15002); BLOOD/BODY FLDS-BLD, LYM, RES PATH(+15006); INTEGUMENT SYST-GENL STUOS, METHS(18501); INTEGUMENT SYST-PATHOLOGY(+18506); TOXICOL-ENVIRONMNTL, INDUST-R(+22506); ENVIRON HEALTH-OCCUPATNL HEALTH(+37013); ENVIRON HEALTH-AIR, WATR, SL POLLN(+37015); ENVIRON HEALTH-RADIATION HEALTH(+37017)

Biosystematic Codes: HOMINIDAE(86215)

21020069

OPTIMIZED CADMIUM FILTERS FOR A LITHIUM FLUORIDE ALBEDO NEUTRON GAMMA PERSONNEL DOSIMETER

GORBICS S G; NASH A E; JOHNSON T L
NAVAL RES. LAB., WASHINGTON, D.C. 20375, USA.

24TH ANNUAL MEETING OF THE HEALTH PHYSICS SOCIETY, HEALTH PHYS 37 (6). 1979 (RECD. 1980). 844. Coden: HLTPA

Language: ENGLISH

Descriptors: ABSTRACT HUMAN MONITORING TECHNIQUE OCCUPATIONAL HEALTH

Concept Codes: GENL BIOL-SYMPOSIA, PROCDNGS, REVW(00520); GENERAL FIELD METHODS(01008); GENERAL FIELD APPARATUS(01010); CYTOLOGY/CYTOCHEM-HUMAN(02508); RADIATION BIOL-RADTN, ISOTOP TECH(06504); RADIATION BIOL-RADTN EFF, PROTECT(+06506); BIOCHEM METH-MINERALS(10059); MINERALS(10069); BIOPHYS-GENERAL BIOPHYS TECH(10504); BIOPHYS-BIOENGINEERING(10511); PATHOLOGY-DIAGNOSTIC(12504); MINERALS(13010); TOXICOL-ENVIRONMNTL, INDUST-R(+22506); ENVIRON HEALTH-OCCUPATNL HEALTH(+37013); ENVIRON HEALTH-AIR, WATR, SL POLLN(+37015); ENVIRON HEALTH-RADIATION HEALTH(+37017)

Biosystematic Codes: HOMINIDAE(86215)

21014411

CHROMOSOMAL ANALYSIS OF AMNIOTIC FLUID CELLS FOR PRE NATAL DIAGNOSIS

MATSUMOTO M; OGITA S
 DEP. OBSTETRICS, GYNECOL., OSAKA CITY MATERNAL, CHILD MED.
 CENT., OSAKA.

20TH ANNUAL MEETING OF THE CONGENITAL ANOMALIES RESEARCH
 ASSOCIATION OF JAPAN, OSAKA, JAPAN, JULY 11-12, 1980.
 TERATOLOGY 22 (1), 1980. 34A. Coden: TJADA

Language: ENGLISH

Descriptors: ABSTRACT HUMAN CHROMOSOMAL ABERRATIONS AMNIO
 CENTESIS

Concept Codes: GENL BIOL-SYMPOSIA,PROCDNGS,REVW(00520);
 CYTOLOGY/CYTOCHEM-HUMAN(+02508);
 GENETICS/CYTOGENET-HUMAN(+03508);
 ANATOMY/HISTOL-MICRO,ULTRAMICRSC(11108);
 PATHOLOGY-DIAGNOSTIC(12504); BLOOD/BODY FLDS-OTHER BODY
 FLDS(+15010); REPRODUCT SYST-GENL STUDS,METHS(+16501);
 DEVELOPMNTL BIOL-GENL,DESCRIPTIVE(25502); DEVELOPMNTL BIOL-PA-
 THOLOGICAL(+25503); DEVELOPMNTL BIOL-DESCRIP TERATOL(+25552);
 TISS CULTURE-APPARAT,METHS,MEDIA(32500); IN VITRO STUDS-CELLU-
 LR,SUBCELL(32600)

Biosystematic Codes: HOMINIDAE(86215)

21013242

EFFECTS OF IXTOC-I OIL SPILL ON OCEANIC MICROBIAL COMMUNITIES

BUCKLEY E N; PFAENDER F K
 UNIV. OF NORTH CAROLINA, CHAPEL HILL, N.C. 27514.
 81ST ANNUAL MEETING OF THE AMERICAN SOCIETY FOR
 MICROBIOLOGY, DALLAS, TEX., USA, MARCH 1-6, 1981. ABSTR ANNU
 MEET AM SOC MICROBIOL 81 (0), 1981. 182. Coden: ASMAc

Language: ENGLISH

Descriptors: ABSTRACT RESPIRATION RADIO LABELING
 Concept Codes: GENL BIOL-SYMPOSIA,PROCDNGS,REVW(00520);
 RADIATION BIOL-RADTN,ISOTOP TECH(06504); ECOLOGY-OCEANOGRAPHY-
 (+07512); ECOLOGY-WATR RESRCH,FISHERY BIOL(07517); BIOCHEM
 METH-GENERAL(10050); BIOCHEM STUD-GENERAL(10060); METABOLISM-
 GENL STUD,METAB PATHW(+13002); METABOLISM-ENERGY,RESPIRATION(-
 +13003); MICROORGANISMS-GENL,MIXED,UNSPEC(+29500); MICROBIOLOG
 APPARAT,METHS,MEDIA(32000); ENVIRON HEALTH-AIR,WATR,SL
 POLLN(+37015); FOOD/INDUS MICRO-BIODEGRAD,DETER(+39006)

Biosystematic Codes: MICROORGANISMS-UNSPECIFIED(01000)

21012697

DIFFUSION COEFFICIENTS OF STRONTIUM AND FLUORINE IN ENAMEL

NOREN J; LODDING A; ODELIUS H
 MATERIALS SCI. CENT., CHALMERS UNIV. TECHNOL., GOTHENBURG,
 SWED.

27TH CONGRESS OF THE EUROPEAN ORGANIZATION FOR CARIES
 RESEARCH, MARBURG, WEST GERMANY, JULY 17-19, 1980. CARIES RES
 15 (2), 1981. 194-195. Coden: CAREB

Language: ENGLISH

Descriptors: ABSTRACT BOVINE CRYSTALLINE SURFACE EN

SATURATION

Concept Codes: GENL BIOL-SYMPOSIA,PROCDNGS,REVW(00520);
 BIOCHEM STUD-GENERAL(10060); MINERALS(10069); BIOPHYS-MOLECUL
 PROP,MACROMOLEC(10506); BIOPHYS-MEMBRANE PHENOMENA(+10508);
 MOVEMENT(12100); METABOLISM-GENL STUD,METAB PATHW(13002);
 MINERALS(+13010); DENTAL/ORAL BIOL-PHYSIOL,BIOCHEM(+19004)
 Biosystematic Codes: BOVIDAE(85715)

21008528

FAILURE OF VAGAL BLOCKADE TO PREVENT BRONCHO DILATATION FOLLOWING A DEEP INSPIRATION

DAY A; MULLER N L; ZAMEL N
 TRIHOSP. RESPIR. SERV., UNIV. TORONTO, TORONTO, ONT.
 65TH ANNUAL MEETING OF THE FEDERATION OF AMERICAN SOCIETIES
 FOR EXPERIMENTAL BIOLOGY, ATLANTA, GA., USA, APRIL 12-17,
 1981. FED PROC 40 (3 PART 1), 1981. 505. Coden: FEPA

Language: ENGLISH

Descriptors: ABSTRACT HUMAN PROSTAGLANDIN F-2-ALPHA
 METHACHOLINE SCH-1000 AUTONOMIC-DRUG

Concept Codes: GENL BIOL-SYMPOSIA,PROCDNGS,REVW(00520);
 BIOCHEM STUD-GENERAL(10060); BIOCHEM STUD-LIPIDS(10066);
 RESPIRATORY SYST-PHYSIOL,BIOCHEM(+16004); ENDOCRINE SYST-GENE-
 RAL STUDIES(+17002); NERVOUS SYST-PHYSIOL,BIOCHEM(+20504);
 PHARMACOL-ENDOCRINE SYST(22016); PHARMACOL-NEUROPHARMACOLOGY(-
 +22024); PHARMACOL-RESPIRATORY SYST(+22030)

Biosystematic Codes: HOMINIDAE(86215)

21008526

HOW SHOULD A PRESSURIZED BETA ADRENERGIC BRONCHO DILATOR BE INHALED

NEWMAN S P; PAVIA D; CLARKE S W
 DEP. OF THORACIC MED., THE ROYAL FREE HOSP., POND STREET,
 LONDON NW3 2QG, ENGLAND.
 EUR J RESPIR DIS 62 (1), 1981. 3-20. Coden: EURDD

Language: ENGLISH

Descriptors: REVIEW HUMAN TERBUTALINE SULFATE BRICANYL
 AUTONOMIC-DRUG AIRWAY OBSTRUCTION PHARMACOLOGICAL TOOL

Concept Codes: CYTOLOGY/CYTOCHEM-HUMAN(02508); BIOCHEM-GASE-
 S(10012); BIOCHEM STUD-GENERAL(10060); BIOPHYS-MOLECUL
 PROP,MACROMOLEC(10506); BIOPHYS-MEMBRANE PHENOMENA(10508);
 PATHOLOGY-THERAPY(12512); METABOLISM-GENL STUD,METAB PATHW(13-
 002); RESPIRATORY SYST-GENL STUD,METHS(16001); RESPIRATORY
 SYST-PATHOLOGY(+16006); MUSCLE SYST-PHYSIOL,BIOCHEM(17504);
 NERVOUS SYST-PHYSIOL,BIOCHEM(+20504); PHARMACOL-DRUG METAB,ME-
 TAB STIMU(22003); PHARMACOL-CLINICAL PHARMACOL(22005);
 PHARMACOL-MUSCLE SYST(+22022); PHARMACOL-NEUROPHARMACOLOGY(+2-
 2024); PHARMACOL-RESPIRATORY SYST(+22030); ROUTES OF
 IMMUNIZ,INFECT,THERAP(+22100)

Biosystematic Codes: HOMINIDAE(86215)

21007886

ANTI INFLAMMATORY AND ANTI RHEUMATIC DRUGS

ABRUZZO J L

DEP. MED., JEFFERSON MED. COLL., PHILADELPHIA, PA.

ANN INTERN MED 94 (2). 1981. 270-272. Coden: AIMEA

Language: ENGLISH

Descriptors: NOTE HUMAN MECLOFENAMATE SODIUM MEFENAMIC-ACID
ASPIRIN D PENICILLAMINE CHLOROQUINE AURANOFIN ANTIINFLAMMATORY
ANALGESIC ANTI PYRETIC SIDE EFFECTS

Concept Codes: COMPARATIVE BIOCHEM-GENL STUDIES(10010);
BIOCHEM STUD-GENERAL(10060); MINERALS(10069); BIOPHYS-MOLECUL
PROP,MACROMOLEC(10506); PATHOLOGY-INFLAMMATN,INFLAM DIS(+1250-
8); PATHOLOGY-THERAPY(12512); BONE,JNTS,FASC,CONN/ADIP-PATHOL-
(+18006); NERVOUS SYST-PHYSIOL,BIOCHEM(20504); PHARMACOL-CLIN-
ICAL PHARMACOL(22005); PHARMACOL-CONN TIS,BONE,COLLAGEN(+2201-
2); PHARMACOL-IMMUNO PROCES,ALLERGY(+22018); PHARMACOL-NEUROPH-
ARMACOL(22024); TOXICOL-PHARMACOLOGICAL(+22504); TEMPERAT-
URE-THERMOPATHOLOGY(23007);
IMMUNOL/IMMUNOCHEM-IMMUNOPATHOL(+34508); CHEMOTHERAPY-GEN STU-
D,METH,METAB(38502)

Biosystematic Codes: HOMINIDAE(86215)

74092453 unavailable

74090038 unavailable

74082502 unavailable

20058514

SOME ASPECTS OF NITRO FURAN ACTION

ANGELIS K; CERNA M; ROOSSNER P

INST. HYG. EPIDEMIOLOG., PRAGUE.

9TH ANNUAL MEETING OF THE EUROPEAN ENVIRONMENTAL MUTAGEN
SOCIETY, MARKASKA, YUGOSLOVIA, SEPT. 30-OCT. 5, 1979. MUTAT
RES 74 (3). 1980. 200. Coden: MUREA

Language: ENGLISH

Descriptors: ABSTRACT SALMONELLA-TYPHIMURIUM STRAIN TA-98
HUMAN FIBROBLAST FURYL FURAMIDE NITROFURYL ACRYLIC-ACID
NITROFURYL NITRO ETHYLENE NITROVIN NITRO FURALDEHYDE FRAMESHIFT
MUTAGEN DNA SYNTHESIS INHIBITION KILLING EFFECT

Concept Codes: GENL BIOL-SYMPODIA,PROCDNGS,REVW(00520);
CYTOLOGY/CYTOCHEM-HUMAN(+02508);
GENETICS/CYTOGENET-HUMAN(+03508); BIOCHEM STUD-GENERAL(10060);
BIOCHEM STUD-NUCL ACID,PURINS,PYRM(10062); PATHOLOGY-NECROSIS(+1-
2510); METABOLISM-NUCL ACID,PURINS,PYRM(+13014); BONE,JNTS,FA-
SC,CONN/ADIP-GENL(18001); TOXICOL-GENL/EXP STUDS,METHS(+22501);
BACTERIA-PHYSIOLOGY,BIOCHEMISTRY(31000); BACTERIAL AND VIRAL
GENETICS(+31500); MICROBIOLOG APPARAT,METHS,MEDIA(32000)

Biosystematic Codes: ENTEROBACTERIACEAE(04810); MURIDAE(863-75)

20055362

THE POSITION OF YEASTS IN THE SYSTEM OF FUNGI

NOVAK E K; ZSOLT J

NATL. INST. HYG., BUDAPEST.

8TH CONGRESS OF THE HUNGARIAN SOCIETY OF MICROBIOLOGY,
BUDAPEST, HUNGARY, AUG. 27-29, 1979. ACTA MICROBIOL ACAD SCI
HUNG 27 (3). 1980. 249-250. Coden: AMAHA

Language: ENGLISH

Descriptors: ABSTRACT OOMYCETES PLASMODIOPHYCOMYCETES
HYPHOCHYTRIDIOMYCETES PROTISTA CHYTRIDIOMYCOTA ZYGOMYCOTA
ZYMOMYCOTA ASCOMYCOTA TAPHRINOMYCOTA USTOMYCOTA BASIDIOMYCOTA
DEUTEROMYCOTA CHEMO TAXONOMY CYTOLOGY

Concept Codes: GENL BIOL-TAXONOMY,NOMENCLATUR(+00504); GENL
BIOL-SYMPODIA,PROCDNGS,REVW(00520);
CYTOLOGY/CYTOCHEM-PLANT(+02504); BIOCHEM STUD-GENERAL(10060);
GENL/TAXN BOTANY-FUNGI(+50506); PLANT PHYSIOL-CHEM
CONSTITUENTS(51522); INVERTEB PHYSIOL-PROTOZOA(64002)

Biosystematic Codes: FUNGI-UNSPECIFIED(15000); ASCOMYCETES(-
15100); BASIDIOMYCETES(15300); DEUTEROMYCETES(15500);
MYXOPHYTA(15700); PHYCOMYCETES(15900); SARCODINA(35300)

20026467

STUDIES ON THE PATHOGENESIS OF MINIMAL CHANGE NEPHROTIC SYNDROME

SHIMIZU B

DEP. CHILD HEALTH, HIROSHIMA UNIV., HIROSHIMA, JPN.

5TH INTERNATIONAL PEDIATRIC NEPHROLOGY SYMPOSIUM,
PHILADELPHIA, PA., USA, OCT. 6-10, 1980. PEDIATR RES 14 (8).
1980. 1012. Coden: PEREB

Language: ENGLISH

Descriptors: ABSTRACT HUMAN IMMUNE COMPLEXES
Concept Codes: GENL BIOL-SYMPODIA,PROCDNGS,REVW(00520);
BIOCHEM STUD-PROTEINS,PEPTIDES,AMINO ACID(10064); BIOCHEM
STUD-CARBOHYDR.(10068); METABOLISM-CARBOHYDRATES(13004); META-
BOLISM-PROTNS,PEPTDS,AM ACDS(13012); URIN SYST/EXT
SECR-PATHOLOGY(+15506);

IMMUNOL/IMMUNOCHEM-IMMUNOPATHOL(+34508)

Biosystematic Codes: HOMINIDAE(86215)

20017549

ANALYSIS OF VISUAL THRESHOLDS

KRANDA K; KING-SMITH P E

DEP. OPHTHALMIC OPTICS, U.M.I.S.T., P.O. BOX 88, MANCHESTER M60 10D, UK.

3RD EUROPEAN NEUROSCIENCE MEETING, ROME, ITALY, SEPT. 11-14, 1979. NEUROSCI LETT SUPPL. (3). 1979. S303. Coden: NELED

Language: ENGLISH

Descriptors: ABSTRACT HUMAN CONE PI-5 SPECTRAL SENSITIVITY VOS AND WALRAVEN RED AND GREEN FUNDAMENTALS

Concept Codes: GENL BIOL-SYMPOSIA,PROCDNGS,REVW(00520); GENL BIOL-INFRMTN,DOCU,COMP APPL(+00530); CYTOLOGY/CYTOCHEM-HUMAN(+02508); MATHEMATIC BIOL/STATISTIC METH(+04500); BIOPHYS-GENERAL STUDIES(+10502); BIOPHYS-BIOCYBERNETICS(+10515); EXTERN EFF-LIGHT,DARKNESS(10604); SENSE ORGANS-GENL STUDS,METHS(2000-1); SENSE ORGANS-PHYSIOL,BIOCHEM(+20004); NERVOUS SYST-GENL STUDS,METHS(20501); NERVOUS SYST-PHYSIOL,BIOCHEM(+20504)

Biosystematic Codes: HOMINIDAE(86215)

20017534

IS CATALASE POSITIVITY IDENTICAL TO THE GOMORI POSITIVITY IN THE ARCULATE NUCLEUS?

MARANI E; SPOOR C W; RIETVELD W J; DEN HOED J L; OSSELTON J C

DEP. PHYSIOL. ANAT. EMBRYOL., UNIV. LEIDEN, WASSENAARSEWEG 62, 2300 RC LEIDEN, NETHL.

IRCS (INT RES COMMUN SYST) MED SCI LIBR COMPEND 8 (8). 1980. 582-583. Coden: IRLCA

Language: ENGLISH

Descriptors: RAT

Concept Codes: MICROSCOPY-HISTOL,HISTOCHEM TECH(+01056); BIOCHEM STUD-GENERAL(10060); BIOCHEM STUD-PROTEINS,PEPTIDES,AMINO ACD(10064); ENZYMES-METHODS(10804); ENZYMES-PHYSIOLOGICAL STUDIES(+10808); NERVOUS SYST-PHYSIOL,BIOCHEM(+20504)

Biosystematic Codes: MURIDAE(86375)

20017533

A REFRACTORY PERIOD ANALYSIS OF THE NEURONS SUBSERVING IPSIVERSIVE AND CONTRAVERSIVE ROTATION IN THE RAT/

ATRENS D M; PRESCOTT J

DEP. PSYCHOL., UNIV. SYDNEY, SYDNEY, N.S.W. 2006, AUST.

IRCS (INT RES COMMUN SYST) MED SCI LIBR COMPEND 8 (8). 1980. 578-579. Coden: IRLCA

Language: ENGLISH

Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(02506); BIOPHYS-GENERAL STUDIES(10502); EXTERN EFF-ELECTR,MAGNET,GRAVITY(10610); MOVEMENT(+12100); MUSCLE SYST-PHYSIOL,BIOCHEM(+17504); MUSCLE SYST-PATHOLOGY(17506); NERVOUS SYST-PHYSIOL,BIOCHEM(+20504); NERVOUS SYST-PATHOLOGY(20506)

Biosystematic Codes: MURIDAE(86375)

A LIGHT MICROSCOPIC AND ELECTRON MICROSCOPIC STUDY OF OLIVARY HYPERTROPHY IN THE CAT

BOESTEN A J P; MARANI E

ELISABETH HOSP., LEIDEN, NETH.

3RD EUROPEAN NEUROSCIENCE MEETING, ROME, ITALY, SEPT. 11-14, 1979. NEUROSCI LETT SUPPL. (3). 1979. S158. Coden: NELED

Language: ENGLISH

Descriptors: ABSTRACT

Concept Codes: GENL BIOL-SYMPOSIA,PROCDNGS,REVW(00520); MICROSCOPY-GENL,SPECL TECHNIQUES(01052); ELECTRON MICROSCOPY(+01058); CYTOLOGY/CYTOCHEM-ANIMAL(02506); ANATOMY/HISTOL-MICRO-ULTRAMICRSC(11108); NERVOUS SYST-PHYSIOL,BIOCHEM(+20504); NERVOUS SYST-PATHOLOGY(+20506)

Biosystematic Codes: FELIDAE(85770)

20007432

QUANTITATIVE EVALUATION OF CELL NUMBERS AND CELL SIZES IN THE L 7 GANGLION OF ADULT CATS AND KITTENS FOLLOWING SCIATIC NERVE SECTION

ALDSKOGIUS H; RISLING M

DEP. ANAT., KAROLINSKA INST., S-104 01 STOCKHOLM 60, SWED.

3RD EUROPEAN NEUROSCIENCE MEETING, ROME, ITALY, SEPT. 11-14, 1979. NEUROSCI LETT SUPPL. (3). 1979. S16. Coden: NELED

Language: ENGLISH

Descriptors: ABSTRACT SENSORY GANGLIA NEURON LOSS NEURON ATROPHY NEURON GROWTH RETARDATION

Concept Codes: GENL BIOL-SYMPOSIA,PROCDNGS,REVW(00520); PHOTOGRAPHY-METHS,MATLS,APPARAT(01012); CYTOLOGY/CYTOCHEM-ANIMAL(+02506); ANATOMY/HISTOL-EXPERIMENTAL(11104); PATHOLOGY-NECROSIS(12510); NERVOUS SYST-GENL STUDS,METHS(+20501); NERVOUS SYST-PHYSIOL,BIOCHEM(+20504); DEVELOPMNTL BIOL-GEN MORPHGENSIS(+25508)

Biosystematic Codes: FELIDAE(85770)

70067357

R&S 138241

SCAB RESISTANCE IN AN APPLE COLLECTION
BARŠUKOVA O N
MAIKOP EXP. STN., ALL-UNION RES. INST. PLANT GROW., MAIKOP,
USSR.
MIKOL FITOPATOL 13 (5). 1979 (RECD. 1980). 388-392.
Coden: MIFIB
Language: RUSSIAN
Descriptors: MALUS-FLORIBUNDA MALUS-SIEBOLDII MALUS-KANSUEN-
SIS MALUS-SARGENTII MALUS-FLORENTINA MALUS-CORONARIA
MALUS-BACCATA-SSP-CERASIFERA MALUS-PURPUREA ECOLOGICAL GEOGRA-
PHIC ORIGIN INFECTION SEVERITY
Concept Codes: GENETICS/CYTOGENET-PLANT(+03504); ECOLOGY-PL-
ANT(+07506); PLANT PHYSIOL-GROWTH,DIFFERENTIAT(+51510); HORTICUL-
T-TEMP ZONE FRUITS,NUTS(+53002); PHYTOPATHOL-DIS BY
FUNGI(+54502); PHYTOPATHOL-PARASITISM,RESISTNCE(+54514)
Biosystematic Codes: ASCOMYCETES(15100); ROSACEAE(26675)

70066635

THE EFFECTS OF ALINIDINE AN N ALLYL DERIVATIVE OF CLONIDINE
ON REGIONAL MYO CARDIAL PERFUSION AND PERFORMANCE IN THE PIG
WITH OR WITHOUT ATRIAL PACING
VERDOUW P D; SAXENA P R; SCHAMHARDT H C; VAN DER HOEK T M;
RUTEMAN A M
DEP. CARDIOVASC. RES., ERASMUS UNIV., P.O. BOX 1738, 3000 DR
ROTTERDAM, NETH.
EUR J PHARMACOL 64 (4). 1980. 209-220. Coden: EJPIIA
Language: ENGLISH
Descriptors: HUMAN BLOOD FLOW TISSUE OXYGENATION MYO CARDIAL
WORK AUTONOMIC-DRUG CARDIOVASCULAR-DRUG OXYGEN ISCHEMIC HEART
DISEASE BRADY CARDIC ACTION AUTO REGULATION PHARMACODYNAMICS
Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(+02506); CYTOLOGY/C-
YTOCHEM-HUMAN(+02508); COMPARATIVE BIOCHEM-GENL STUDIES(10010);
BIOCHEM-GASES(10012); BIOCHEM STUD-GENERAL(10060); BIOPHYS-GE-
NERAL BIOPHYS TECH(+10504); BIOPHYS-MOLECUL PROP,MACROMOLEC(+10-
506); BIOPHYS-BIOCYBERNETICS(10515); EXTERN EFF-ELECTR,MAGNET-
GRAVITY(+10610); PATHOLOGY-DIAGNOSTIC(+12504); PATHOLOGY-THERA-
PY(+12512); METABOLISM-GENL STUD,METAB PATHW(+13002);
METABOLISM-ENERGY,RESPIRATION(+13003); CARDIOVASC SYST-GENL
STUDS,METHS(+14501); CARDIOVASC SYST-ANATOMY(+14502); CARDIOVASC
SYST-HEART PATHOLOGY(+14506); CARDIOVASC SYST-BLO VESS
PATHOL(+14508); BLOOD/BODY FLDS-BLOOD,LYMPH STUD(+15002);
RESPIRATORY SYST-PHYSIOL,BIOCHEM(+16004); MUSCLE SYST-PATHOLOG-
Y(+17506); NERVOUS SYST-PHYSIOL,BIOCHEM(+20504); PHARMACOL-DRUG
METAB,METAB STIMU(+22003); PHARMACOL-CLINICAL PHARMACOL(22005)
; PHARMACOL-CARDIOVASC SYST(+22010); PHARMACOL-MUSCLE
SYST(+22022); PHARMACOL-NEUROPHARMACOLOGY(+22024); TOXICOL-PH-
ARMACOLOGICAL(22504)
Biosystematic Codes: SUIDA(85740); HOMINIDAE(86215)

70049109

IN-VITRO ACTIVITY OF A NEW CEPHALOSPORIN CGP-7174-E OR
CEFSULODIN AGAINST PSEUDOMONAS-AERUGINOSA
BERCHE P; DESCAMPS P; AVRIL J L; VERON M

HOP. NECKER-ENFANTS MAL., LAB. CENT. BACTERIOL.-VIROL., 149
RUE DE SEVRES, 75730 PARIS CEDEX 15, FR.
ANN MICROBIOL (PARIS) 130B (4). 1979 (RECD. 1980).
477-484. Coden: ANMBC
Language: FRENCH
Descriptors: CARBENICILLIN TICARCILLIN PIPERACILLIN
ANTIBACTERIAL-DRUG
Concept Codes: MATHEMATIC BIOL/STATISTIC METH(+04500);
BIOCHEM STUD-GENERAL(10060); BIOCHEM STUD-CARBOHYDR.(10068);
PATHOLOGY-THERAPY(+12512); PHARMACOL-GENERAL STUDIES(+22002);
PHARMACOL-CLINICAL PHARMACOL(22005); BACTERIA-PHYSIOLOGY,BIOC-
HEMISTRY(+31000); MICROBIOLOG APPARAT,METHS,MEDIA(+32000);
MED/CLIN MICROBIOL-GEN,METH,TECH(+36001); MED/CLIN MICROBIOL-B-
ACTERIOLOGY(+36002); CHEMOTHERAPY-ANTIBACTERIAL AGNTS(+38504)
Biosystematic Codes: PSEUDOMONADACEAE(+04716)

70044005

QUALITATIVE AND QUANTITATIVE CHANGES IN THE ANTIBODY
PRODUCING CELL RESPONSE TO LIPO POLY SACCHARIDE INDUCED AFTER
INCORPORATION OF THE ANTIGEN INTO BACTERIAL MEMBRANE PHOSPHO
LIPID VESICLES
RUTKOWSKI E; NIXDORFF K
INST. MIKROBIOL., TECH. HOCHSCH. DARMST., SCHNITTSPAINSTR.
9, D-6100 DARMSTADT, W. GER.
J IMMUNOL 124 (6). 1980. 2548-2551. Coden: JOIMA
Language: ENGLISH
Descriptors: MOUSE PROTEUS-MIRABILIS IMMUNO GLOBULIN M
PRODUCING CELLS IMMUNO GLOBULIN G PRODUCING CELLS
Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(+02506); BIOCHEM
STUD-PROTEINS,PEPTIDES,AMINO ACID(+10064); BIOCHEM STUD-LIPIDS(+
10066); BIOCHEM STUD-CARBOHYDR.(10068); CHORDATE BODY
REGNS-ABDOMEN(+11314); METABOLISM-CARBOHYDRATES(+13004); METABO-
LISM-PROTNS,PEPTDS,AM ACDS(+13012); BLOOD/BODY FLDS-BLOOD CELL
STUDS(+15004); BLOOD/BODY FLDS-LYMPHAT TISS,RES(+15008); ROUTES
OF IMMUNIZ,INFECT,THERAP(+22100); TOXICOL-GENL/EXP STUDS,METHS-
(22501); BACTERIA-MORPHOLOGY,CYTOLOGY(+30500); BACTERIA-PHYSI-
OLOGY,BIOCHEMISTRY(+31000); IMMUNOL/IMMUNOCHEM-GEN METH(+3450-
2); IMMUNOL/IMMUNOCHEM-BACT,VIR,FUNG(+34504); MED/CLIN
MICROBIOL-BACTERIOLOGY(+36002)
Biosystematic Codes: ENTEROBACTERIACEAE(+04810); MURIDAE(863-
75)

R&S 138242

70037716

SPECIES OF METASYRPHUS FROM AFGHANISTAN AND KIRGIZ-SSR USSR
WITH KEYS AND DESCRIPTIONS OF 3 NEW SPECIES DIPTERA SYRPHIDAE
DUSEK J; LASKA P
VYSOKA SKOLA ZEMED., ZEMEDEL'SKA 1, 662 65 BRNO, CZECH.
ACTA ENTOMOL BOHEMOSLOV 77 (2). 1980. 118-130. Coden:
AEBOA

Language: ENGLISH

Descriptors: METASYRPHUS-KLAPPERICHI NEW-SPECIES METASYRPHUS-
STACKELBERGI NEW-SPECIES METASYRPHUS-PSEUDONITENS NEW-SPECI-
ES METASYRPHUS-TSHATKALENSIS NEW-COMBINATION METASYRPHUS-LATI-
MACULA NEW-COMBINATION METASYRPHUS-VERRUCIVENTRIS NEW-COMBINA-
TION METASYRPHUS-ASIATICUS NEW-COMBINATION METASYRPHUS-TJANSH-
ANICUS NEW-COMBINATION SYRPHUS-TSHATKALENSIS SYRPHUS-LATIMACU-
LA SYRPHUS-VERRUCIVENTRIS SYRPHUS-ASIATICUS SYRPHUS-TJANSHANI-
CUS DESCRIPTIONS MALE TERMINALIA

Concept Codes: GENL BIOL-TAXONOMY,NOMENCLATUR(00504);
ANATOMY/HISTOL-COMPARATIVE(+11103); INVERTB TAXN-INSECTA,DIPT-
ERA(+63574); INVERTB PHYSIOL-INSECTA-MORPHOL(+64074); INVERTB
BODY-ABDOMEN(64210)

Biosystematic Codes: DIPTERA(+75314)

70032391

ATENOLOL IN HYPERTENSION A CARDIOSELECTIVE DRUG
EZRA D; MOLHO M; ROSENTHAL T
CHAIM SHEBA MED. CENT., TEL-AVIV UNIV. MED. SCH.,
TEL-HASHIMON, ISR.
CHEST 77 (5). 1980. 662-665. Coden: CHETB
Language: ENGLISH

Descriptors: HUMAN METHYL DOPA CHLORTHALIDONE AUTONOMIC-DRUG
BETA BLOCKER CARDIOVASCULAR-DRUG ANTIHYPERTENSIVE RESPIRATORY
FUNCTION SMOKING

Concept Codes: BIOCHEM STUD-GENERAL(10060); CHORDATE BODY
REGNS-HEAD(11304); PATHOLOGY-THERAPY(12512); CARDIOVASC
SYST-BLD VESS PATHOL(+14508); RESPIRATORY SYST-GENL
STUD,METHS(16001); RESPIRATORY SYST-PHYSIOL,BIOCHEM(16004);
NERVOUS SYST-PHYSIOL,BIOCHEM(+20504); NERVOUS SYST-PATHOLOGY(-
20506); PSYCHIATRY-ADDICTION(INC SMOKNG)(21004); PHARMACOL-CL-
INICAL PHARMACOL(22005); PHARMACOL-CARDIOVASC SYST(+22010);
PHARMACOL-NEUROPHARMACOLOGY(+22024); TOXICOL-GENL/EXP STUDS,M-
ETHS(22501); TOXICOL-PHARMACOLOGICAL(22504); PLANT PHYSIOL-CH-
EM CONSTITUENTS(51522)

Biosystematic Codes: PLANTAE-UNSPECIFIED(11000); HOMINIDAE(-
86215)

70021305

FINE STRUCTURE OF THE DORMANT AND GERMINATING SPORANGIO
SPORE OF SYZYGITES-MEGALOCARPUS MUCORALES WITH NOTES ON
SPORODINIELLA-UMBELLATA

EKPO E J A; YOUNG T W K
DEP. AGRIC. BIOL., UNIV. IBADAN, IBADAN, NIGERIA.
MICROBIOS LETT 10 (38). 1979 (RECD. 1980). 63-68.
Coden: MILED
Language: ENGLISH

Descriptors: SCANNING ELECTRON MICROSCOPY TRANSMISSION
ELECTRON MICROSCOPY GENERIC RELATIONSHIPS

Concept Codes: ELECTRON MICROSCOPY(01058); PALYNOLOGY(+5010-
0); GENL/TAXN BOTANY-FUNGI(+50506); PLANT MORPHOL,EMBRYOL,ANA-
TOMY(+51000); PLANT PHYSIOL-REPRODUCTION(+51512)

Biosystematic Codes: PHYCOMYCETES(15900)

70020603

PHOSPHO PROTEIN ASSOCIATED WITH ACTIVATION OF THE SRC GENE
PRODUCT IN MYOGENIC CELLS

KOBAYASHI N; KAJI A
DEP. MICROBIOL., SCH. MED., UNIV. PA., PHILADELPHIA, PA.
19104, USA.

BIOCHEM BIOPHYS RES COMMUN 93 (1). 1980. 278-284.
Coden: BBRCA

Language: ENGLISH

Descriptors: ROUS SARCOMA VIRUS ONCORNAVIRUS CHICKEN MONO
NUCLEATED MYO BLAST PROTEIN PHOSPHORYLATION GENE PRODUCT

Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(+02506); REPLICATN,-
TRANSCRIPTN,TRANSLATN(+10300); EXTERN EFF-TEMPERATURE(10614);
EXTERN EFF-HOT(10618); METABOLISM-PROTNS,PEPTDS,AM ACDS(+1301-
2); METABOLISM-NUCL ACD,PURINS,PYRIM(+13014); BLOOD/BODY
FLDS-BLOOD CELL STUDS(15004); TEMPERATURE-GENL,METHS(23001);
NEOPLSMS/NEOPL AGNTS-BIOCHEM(24006); BACTERIAL AND VIRAL
GENETICS(+31500); MICROBIOLOG APPARAT,METHS,MEDIA(32000); TISS
CULTURE-APPARAT,METHS,MEDIA(32500); VIROLOGY-GENL STUDS,METHS-
(33502); VIROLOGY-ANIMAL HOST VIRUSES(+33506)

Biosystematic Codes: RETROVIRIDAE-ONCOVIRINAE(02244);
GALLIFORMES(85536)

70017236

MIDDLE EOCENE OF THE RACHA-LECHKHUMI SYNCLINE GEORGIAN-SSR
USSR

TSAGARELI E A; SALUKVADZE N SH
A.I. DZHANELIDZE GEOL. INST., ACAD. SCI. GEORGIAN SSR,
TBILISI, USSR.

SOOBSHCH AKAD NAUK GRUZ SSR 93 (2). 1979. 385-388.
Coden: SAKNA

Language: RUSSIAN

Descriptors: ACARININA-BULLBROOKI TRUNCOROTALOIDES-TOPILENS-
IS STRATIGRAPHY

Concept Codes: MICROORGANISMS-GENL,MIXED,UNSPEC(29500); SOIL
SCI-GENESIS,MORPHOL,CLASSIF(+52803); PALEOZOOLGY(+63000);
INVERTB TAXN-PROTOZOA(+63502); INVERTB PHYSIOL-PROTOZOA(+6400-
2); GEOLOG PERIOD-CENOZO,TERTIARY(+64724)

Biosystematic Codes: PALEOZOOLGY(31000); SARCODINA(35300)

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70004275

PREVENTION OF SKATEBOARD INJURIES

MORGAN W J; GALLOWAY D J; PATEL A R

ACCID. EMERG. DEP., WEST. INFIRM., GLASGOW, SCOTL., UK.

SCOTT MED J 25 (1). 1980. 39-40. Coden: SMDJA

Language: ENGLISH

Skateboarding has become extremely popular in the UK and it is estimated that over 2 million skateboards have been sold. Previous surveys have shown the dangers of the sport, fractures of the limbs being a particularly common form of injury. Consequently the provision of skateboard parks and the wearing of adequate protective clothing were considered necessary to reduce the severity of the injuries sustained. Fractures are actually more likely to occur in people with full protective clothing and skating in a park. The reasons for this are discussed. Expert instruction in the use of the skateboard has been neglected as a means of accident prevention.

Descriptors: HUMAN LIMB FRACTURE INSTRUCTION

Concept Codes: EXTERN EFF-PHYSICAL, MECH EFFECTS(*10612); CHORDATE BODY REGNS-EXTREMITIES(11318); PHYSIOLOGY-EXERCISE, PHYS THERAP(*12010); MOVEMENT(12100); PATHOLOGY-GENERAL STUDIES(*12502); BONE, JNTS, FASC, CONN/ADIP-PATHOL(*18006)

Biosystematic Codes: HOMINIDAE(86215)

55043627 unavailable

69080909

THE EFFECT OF RADIATION CHEMICAL REGIME AND ENVIRONMENTAL TEMPERATURE ON THE STEM EELWORM DITYLENCHUS-DIPSACI FROM GARLIC ALLIUM-SATIVUM

ROZSPAL J; KVICALA B A

JAROSOVA 5, 602 00 BRNO 2, CZECH.

DOHR ROSTL 15 (3). 1979. 197-206. Coden: DCRDA

Language: CZECH

The stem eelworm from garlic is positively phototactic. UV radiation stimulated movement, but after 1 h of exposure they went into the state of anabiosis. A 3-h exposure to UV light did not exert an unfavorable influence on the eelworms in anabiosis in the dry tissues of garlic. In the dry state of anabiosis, larvae and imagoes endure extreme temperatures. Most dry eelworms in plant tissues with a 50-70% moisture content exposed to temperatures between -14 and -16.degree. C for 10 days remained alive. Eelworms kept for 20 days in water suspension, at a temperature of about 0.degree. C and then exposed to frost between -14 and -16.degree. C resumed their normal activity after exposure to 20.degree. C. Of eelworms newly isolated at a temperature about 25.degree. C and abruptly exposed to -14 to -16.degree. C, mostly preadult larvae remained alive. Specimens frozen in water become active at temperatures of 2-3.degree. C. In a sufficiently moist medium, the stem eelworm migrated even at comparatively low temperatures. The optimum development occurred at 20-25.degree. C, but 12-15 degree C normal development

occurred. The specimens were killed in water suspension when exposed to a temperature of 46.degree. C for 6 h; at 47.degree. C death set in after 4 h, at 48.degree. C after 3 h, at 49.degree. C after 2 h and at 50.degree. C after 1 h. One- to 20-h exposure to radiation 900-12,000 R did not exert an unfavorable effect on development and reproducing ability. A phytoncide with nematocidal action developed in garlic tissue which were heavily attacked and badly damaged by the eelworms.

Descriptors: UV MOISTURE PHOTO TACTIC LOW TEMPERATURE HEAT NEMATODE MIGRATION PHYTONCIDE NEMATOCIDAL ACTION

Concept Codes: RADIATION BIOL-RADTN EFF.PROTECT(*06506); BEHAVIOR BIOL-ANIMAL BEHAVIOR(*07003); ECOLOGY-WATR RESRCH.FISHERY BIOL(07517); BIOCHEM-PHYSIOLOG WATER STUD(10011); BIOCHEM STUD-GENERAL(10060); EXTERN EFF-TEMPERATURE(10614); EXTERN EFF-COLD(10616); EXTERN EFF-HOT(10618); MOVEMENT(*12100); METABOLISM-GENL STUD,METAB PATHW(13002); REPRODUCT SYST-PHYSIOL,BIOCHEM(*16504); TEMPERATURE-GENL,METH-S(*23001); TEMPERATURE-CRYOBIOLOGY(*23004); DEVELOPMNTL BIOL-GEN MORPHGENSIS(25508); PLANT PHYSIOL-WATER RELATIONS(51502); PLANT PHYSIOL-METABOLISM(*51519); HORTICULT-VEGETABLES(*53008); PHYTOPATHOL-DIS BY ANIM PARASITE(*54508); PHYTOPATHOL-PARASITISM,RESISTNCE(*54514); PHYTOPATHOL-DISEASE CONTROL(*54516); PEST CONTRL GENL/PESTICS/HERBICS(*54600); INVERTB PHYSIOL-ASCHELMINTHES(*64016)

Biosystematic Codes: LILIACEAE(25345); NEMATODA(51300)

69078776

EUNICID POLYCHAETOUS ANNELIDS FROM JAPAN 3

MIURA T

OCEAN RES. INST., UNIV. TOKYO. 15-1 MINAMIDAI-1, NAKANO, TOKYO 164, JPN.

MER (TOKYO) 17 (1). 1979. 33-42. Coden: MERSB

Language: ENGLISH

Eunice afra, E. gracilicirrata, E. investigatoris, Marphysa conferta and Nematoneis unicornis are studied. E. gracilicirrata, E. investigatoris and M. conferta are new to the Japanese fauna. [Morphological comparisons and descriptions of the 5 spp. are presented.]

Descriptors: EUNICE-AFRA EUNICE-GRACILICIRRATA NEW-RECORD EUNICE-INVESTIGATORIS NEW-RECORD MARPHYSA-CONFERTA NEW-RECORD NEMATONEIS-UNICORNIS DISTRIBUTION MORPHOLOGY DESCRIPTIONS

Concept Codes: ECOLOGY-ANIMAL(*07508); ECOLOGY-OCEANOGRAPHY(07512); ECOLOGY-WATR RESRCH.FISHERY BIOL(07517); ANATOMY/HISTOL-COMPARATIVE(*11103); ANIMAL DISTRIBUTION/ZOOGEOGRAPHY(*62800); INVERTB TAXN-ANNELIDA(*63530); INVERTB PHYSIOL-ANNELIDA(*64030); INVERTB BODY-GENERAL STUDIES(64202)

Biosystematic Codes: POLYCHAETA(65500)

69057835

A CYTO GENETIC SURVEY OF AN INSTITUTION FOR THE MENTALLY RETARDED 3. Q BAND CHROMOSOME HETEROMORPHISMS

MATSUURA J S; MAYER M; JACOBS P A
 DEP. ANAT. REPROD. BIOL., UNIV. HAWAII, JOHN A. BURNS SCH.
 MED., BIOMED. SCI. BUILD. A-204, 1960 EAST-WEST RD., HONOLULU,
 HAWAII, 96822, USA.

HUM GENET 52 (2). 1979 (RECD. 1980). 203-210. Coden:
 HUGED

Language: ENGLISH

Heteromorphisms of chromosomes 3, 4, 13, 14, 15, 21, 22 and Y were studied in a population of 374 mentally retarded patients from diverse ethnic groups. A significant variation in the size of the Y chromosome was found among different racial groups, those of the Orientals and Filipinos being larger than those of the Caucasians or Polynesians. No other significant variation was found among the different racial groups, although suggestive differences were seen in bands 3 cen, 13p3 and 14p3. 8 and 13 cen/p1 was significantly larger in the category of socio-familial retardation than in the other 2 categories. Because the significance was at the 0.05% level and because this was the only heteromorphism whose distribution was different among the 3 categories of mental retardation, little importance is assigned to this observation.

Descriptors: HUMAN ORIENTAL FILIPINO CAUCASIAN POLYNESIAN RACE DIFFERENCES CHROMOSOME 4 CHROMOSOME 13 CHROMOSOME 14 CHROMOSOME 15 CHROMOSOME 21 CHROMOSOME 22 Y CHROMOSOME CHROMOSOME 3 SOCIO FAMILIAL RETARDATION QUINACRINE BANDING

Concept Codes: MICROSCOPY-CYTOLOG, CYTOCHEM TECH(01054); CYTOLOGY/CYTOCHEM-HUMAN(+02508); GENETICS/CYTOGENET-HUMAN(+03508); GENETICS/CYTOGENET-POPULAT GENET(+03509); PHYSICAL ANTHROPOLOGY/ETHNOBIOL(+05000); SOCIAL BIOL/HUMAN ECOLOGY(05500); COMPARATIVE BIOCHEM-GENL STUDIES(+10010); BIOCHEM METH-NUCL ACD, PURNS, PYRM(10052); BIOCHEM STUD-GENERAL(10060); BIOCHEM STUD-NUCL ACD, PURNS, PYRM- (10062); ANATOMY/HISTOL-MICRO, ULTRAMICRSC(11108); METABOLISM--NUCL ACD, PURINS, PYRIM(+13014); NERVOUS SYST-PATHOLOGY(+20506); PSYCHIATRY-MENTAL RETARDATION(+21006)

Biosystematic Codes: HOMINIDAE(86215)

Descriptors: SEMI EMPIRICAL ENERGY CALCULATIONS

Concept Codes: MATHEMATIC BIOL/STATISTIC METH(045001); BIOCHEM STUD-NUCL ACD, PURNS, PYRM(+10062); BIOPHYS-MOLECUL PROP, MACROMOLEC(+10506)

69055447

DIFFERENTIAL SCANNING, CALORIMETRIC STUDIES OF SOME PHOSPHATIDYL GLYCEROL LIPID WATER SYSTEMS

SACRE M-M; HOFFMANN W; TURNER M; TOCANNE J-F; CHAPMAN D
 DEP. BIOCHEM. CHEM., R. FREE HOSP. SCH. MED., 8 HUNTER ST.,
 LONDON WC1N 1BP, ENGL., UK.

BIOPHYS LIPIDS 25 (1). 1979. 69-84. Coden: CPLIA

Language: ENGLISH

Differential scanning calorimetric studies were made of some pure phosphatidyl glycerol (PG) lipid-water systems. The influence of pH, salt concentration and the monovalent cations (Na⁺, K⁺ and NH₄⁺) upon the lipid phase transitions were studied. The calorimetric data is compared with corresponding monolayer data on related systems. The kinetics of the formation of a metastable crystalline phase observed with a PG/Ca complex at a ratio of 2 lipid molecules for each Ca²⁺ ion are described.

Descriptors: PH IONIC STRENGTH SODIUM CALCIUM POTASSIUM AMMONIUM IONS MONO LAYERS

Concept Codes: BIOCHEM METH-LIPIDS(10056); BIOCHEM STUD-LIPIDS(+10066); MINERALS(10069); BIOPHYS-GENERAL BIOPHYS TECH(10504); BIOPHYS-MOLECUL PROP, MACROMOLEC(+10506); BIOPHYS-MEMBRANE PHENOMENA(+10508); TEMPERATURE-GENL, METHS(23001)

69055452

PREFERRED PHOSPHO DI ESTER CONFORMATIONS IN NUCLEIC-ACIDS A VIRTUAL BOND TORSION POTENTIAL TO ESTIMATE LONE PAIR INTERACTIONS IN A PHOSPHO DI ESTER

SRINIVASAN A R; YATHINDRA N; RAO V S R; PRAKASH S
 DEP. CRYSTALLOGR. BIOPHYS., UNIV. MADRAS, MADRAS, TAMIL
 NADU, INDIA.

BIOPOLYMERS 19 (1). 1980. 165-172. Coden: BIPMA

Language: ENGLISH

The lone-pair orbital interactions arising in a phosphodiester are incorporated into semiempirical conformational energy calculations using a unified torsional potential around the virtual bond linking the ester O2 atoms. The results explain the observed experimental data better than other methods.

69055109

EXPERIMENTAL SENSITIZATION OF P-PHENYLENEDIAMINE AND P-TOLUENEDIAMINE IN MAN

EPSTEIN W L; TAYLOR M K
A-342 DEP. DERMATOL., UNIV. CALIF., SAN FRANCISCO, CALIF.
94143, USA.

ACTA DERMATO-VENEREOL SUPPL 59 (85). 1979. 55-57.
Coden: AVSUA

Language: ENGLISH

p-Phenylenediamine (PPD), widely used in hair dyes, is generally classified as a common cause of positive responses in patch test clinics. It also scores high in predictive studies and has been used experimentally to develop an in vitro model of contact dermatitis. PPD has been banned from hair dyes in several European countries because of its possible sensitizing potential and has been replaced by p-toluenediamine (PTD). The contact sensitizing potential of PPD and PTD in man was studied and the completeness of oxidation by H2O2 was assessed in this study.

Descriptors: HAIR DYES CONTACT DERMATITIS

Concept Codes: BIOCHEM STUD-GENERAL(10060); PATHOLOGY-DIAGNOSTIC(12504); PATHOLOGY-INFLAMMATN, INFLAM DIS(12508); INTEGUMENT SYST-GENL STUDS, METHS(18501); INTEGUMENT SYST-PATHOLOGY(+18506); ROUTES OF IMMUNIZ, INFECT, THERAP(22100); TOXICOL-GENL/EXP STUDS, METHS(22501); TOXICOL-ENVIRONMNTL, INDUSTR(22506); IMMUNOL/IMMUNOCHEM-IMMUNOPATHOL(34508); ALLERGY(+35500); ENVIRON HEALTH-OCCUPATNL HEALTH(37013)

Biosystematic Codes: HOMINIDAE(86215)

hemi-cerebellectomized animals when compared to intact control animals. When SO and SR were studied in pitch-canal and roll-canal rotation, respectively, dramatic changes in the response pattern were noted in lesioned animals.

Descriptors: KETAMINE GENERAL ANESTHETIC SEMICIRCULAR CANAL SUPERIOR OBLIQUE MUSCLE SUPERIOR RECTUS MUSCLE VERTICAL EYE MOVEMENTS ELECTRO MYOGRAM ELECTRO OCULOGRAM PITCH CANAL ROTATION ROLL CANAL ROTATION

Concept Codes: BEHAVIOR BIOL-ANIMAL BEHAVIOR(07003); BIOCHEM STUD-PROTEINS, PEPTIDES, AMINO ACD(10064); BIOPHYS-GENERAL STUDIES(+10502); BIOPHYS-GENERAL BIOPHYS TECH(10504); BIOPHYS-BIOCYBERNETICS(+10515); ANATOMY/HISTOL-EXPERIMENTAL(11104); PHYSIOLOGY-INSTRUMENTATION(12004); MOVEMENT(12100); MUSCLE SYST-GENL STUDS, METHS(17501); MUSCLE SYST-PHYSIOL, BIOCHEM(+17504); SENSE ORGANS-GENL STUDS, METHS(20001); SENSE ORGANS-PHYSIOL, BIOCHEM(+20004); NERVOUS SYST-GENL STUDS, METHS(20501); NERVOUS SYST-PHYSIOL, BIOCHEM(+20504); PHARMACOL-NEUROPHARMACOLOGY(22024)

Biosystematic Codes: FELIDAE(85770)

69052436

EFFECTS OF CEREBELLECTOMY ON THE CATS VERTICAL VESTIBULO OCULAR REFLEX

PRECHT W; ANDERSON J H
NEUROBIOL. ABT., MAX-PLANCK-INST. HIRNFORSCH.,
DEUTSCHORDENSTR. 46, D-6000 FRANKFURT AM MAIN, W. GER.

PFLUEGERS ARCH EUR J PHYSIOL 382 (1). 1979. 51-56.
Coden: PFLAB

Language: ENGLISH

The effects of cerebellectomy on the semicircular canal evoked responses recorded from individual vertical and oblique eye muscles were studied in cats anesthetized with ketamine. The phase lag relative angular acceleration of the electromyographic [EMG] response was consistently smaller in cerebellectomized cats than in intact animals over the frequency range tested (0.02-1.0 Hz). This finding indicates that the time constant of the central, neural integrator was shifted towards smaller values by the lesion. This was also suggested when the vertical eye movements generated by rotation about the pitch axis were recorded in the fully alert animal. The EOG [electrooculogram] data show that the phase of the VOR [vestibuloocular reflex] in the low frequency range was not altered following cerebellectomy suggesting that the macular influences were still present. When the EMG responses of the superior oblique (SO) and superior rectus (SR) muscles were studied in their presumed main mode, i.e., roll-canal and pitch-canal, respectively, no difference was noted in

69049236

NATURAL SELECTION IN HOUSE MICE MUS-MUSCULUS FROM SOUTH-GEORGIA SOUTH ATLANTIC OCEAN

BERRY R J; BONNER W N; PETERS J

DEP. GENET. BIOMETRY, UNIV. COLL. LOND., LONDON, ENGL., UK.

J ZOOL (LOND) 189 (3). 1979. 385-398. Coden: JZ00A

Language: ENGLISH

Mice living in tussock grass on a remote headland of the South Atlantic Island of South Georgia (54.degree. S), where the mean temperature is less than 2.degree. C and the monthly average below 0.degree. C for 4 mo. each year, were studied. They are big animals (although not as large as those on some North Atlantic Islands) and have much brown fat, showing their response to their cold environment. Only 2 of 27 gene loci scored electrophoretically were segregating (3.4% heterozygosity); these (Es-6, Got-2) are 4 crossover units apart on chromosome 8, and were in strong linkage disequilibrium. There were marked changes in allele frequencies with age which go in opposite directions in males and females, showing the action of stabilizing selection. Es-6a increased from 16% in males of less than 3 mo. to 35% in older animals; it declined in females from 36 to 19%.

Descriptors: TUSOCK GRASS TEMPERATURE FAT ELECTROPHORESIS AGE SEX

Concept Codes: EVOLUTION(01500); GENETICS/CYTODENET-ANIMAL(-03506); GENETICS/CYTODENET-POPULAT GENET(+03509); GENETICS/CYTODENET-SEX DIFFERENC(03510); ECOLOGY-ANIMAL(+07508); BIOCHEM STUD-LIPIDS(10066); BIOPHYS-GENERAL BIOPHYS TECH(10504); EXTERN EFF-COLD(+10616); ANATOMY/HISTOL-MICRO.ULTRAMICRSC(+11-108); PHYSIOLOGY-COMPARATIVE(12003); MOVEMENT(12100); METABOLISM-LIPIDS(13006); BONE,JNTS,FASC,CONN/ADIP-ANATOMY(18002); TEMPERATURE-GENL,METHS(23001); GERONTOLOGY(24500); CHORDATE TAXONOMY-MAMMALIA(+62520)

Biosystematic Codes: GRAMINEAE(25305); MURIDAE(86375)

69049068

RENAL CORTICAL BLOOD FLOW DISTRIBUTION MEASURED BY HYDROGEN CLEARANCE DURING DOPAMINE AND ACETYL CHOLINE INFUSION EFFECT OF ELECTRODE THICKNESS AND POSITION IN CORTEX

TYSSEBOTN I; KIRKEBO A

INST. PHYSIOL., UNIV. BERGEN, BERGEN, NORW.

ACTA PHYSIOL SCAND 106 (4). 1979. 385-394. Coden: APSA

Language: ENGLISH

Blood flow distribution in the renal cortex was investigated in control and during i.a. [intra-arterial] infusion of dopamine (DA) and acetylcholine (ACh) in dogs. Local blood flow in outer cortex (OCF) and in inner cortex (ICF) was measured by Pt electrodes detecting H washout rate in tissue. Mean cortical blood flow measured by H washout rate in the renal vein (CFV) was compared with renal arterial blood flow (RAF) measured by electromagnetic flowmeter. With electrodes of 0.05-0.2 mm diameter control blood flow rates in outer and inner cortex were 4.57 +/- (SD) 1.73 ml/min .cntdot. g and 4.35 +/- 0.57 ml/min .cntdot. g, which is higher than found using 0.2-0.5 mm electrodes in this and previous studies. OCF

and ICF increased proportionally during i.a. infusion of DA or ACh. The increase in local blood flow per unit volume was approx. 20% less than the increase in RAF, most likely due to an increase in renal volume and a reduced vasodilatory response in the surrounding of some electrodes. CFV rose almost to the same degree as RAF, showing a diffusion equilibrium for H gas even at maximal flow rate. During vasoconstriction induced by high doses of DA, DCF and ICF fell proportionately. Equal vascular responses in outer and inner cortex were observed during both vasodilator and vasoconstrictor infusion. Changes in Na excretion with renal blood flow may not be associated with a redistribution of cortical peritubular blood flow.

Descriptors: DOG OUTER INNER CORTEX CARDIOVASCULAR-DRUG RENAL-ACTING-DRUG SODIUM EXCRETION PLATINUM ARTERIAL VENOUS BLOOD FLOW RENAL VOLUME VASO CONSTRICTION VASO DILATION

Concept Codes: MATHEMATIC BIOL/STATISTIC METH(04500); BIOCHEM-GASES(10012); BIOCHEM STUD-GENERAL(10060); BIOCHEM STUD-PROTEINS,PEPTIDES,AMINO ACD(10064); MINERALS(10069); BIOPHYS-GENERAL BIOPHYS TECH(10504); BIOPHYS-MEMBRANE PHENOMENA(10508); BIOPHYS-BIOENGINEERING(+10511); MOVEMENT(12-100); METABOLISM-GENL STUD,METAB PATHW(+13002); MINERALS(1301-0); CARDIOVASC SYST-GENL STUDS,METHS(+14501); CARDIOVASC SYST-PHYSIOL,BIOCHEM(+14504); BLOOD/BODY FLDS-BLOOD,LYMPH STUD(+15002); URIN SYST/EXT SECR-GEN STUD,METH(+15501); URIN SYST/EXT SECR-PHYSL,BIOCHEM(+15504); PHARMACOL-DRUG METAB,MET-AB STIMU(22003); PHARMACOL-CARDIOVASC SYST(+22010); PHARMACOL-URINARY SYST(+22032)

Biosystematic Codes: CANIDAE(85765)

69046166

SYNTHESIS OF CONJUGATED CHOLESTEROL AND CHOLESTANOLS

GOTO J; SUZAKI K; NAMBARA T

PHARM. INST., TOHOKU UNIV., AOBAYAMA, SENDAI, MIYAGI 980, JPN.

CHEM PHARM BULL (TOKYO) 27 (8). 1979. 1926-1931. Coden: CPBTA

Language: ENGLISH

The glucuronides, sulfates, glucosides and N-acetylglucosaminides of cholesterol and epimeric 5.alpha.-cholestan-3-ols, which may be precursors in the biosynthesis of steroid hormones, were synthesized. The formation of a .beta.-glucoside linkage was readily achieved by the Koenigs-Knorr reaction with the corresponding .alpha.-acetohalosugar, employing CdCO₃ as a catalyst. The preparation of 6,7.alpha.,7.beta.-d3-cholesterol glucuronide is described.

Descriptors: 67-ALPHA 7-BETA-D-3 CHOLESTEROL GLUCURONIDE 5-ALPHA CHOLESTAN-3-OL SULFATE GLUCOSIDE N ACETYL GLUCOSAMINIDE CADMIUM CARBONATE ALPHA ACETO HALO SUGAR STEROID HORMONE PHARMACO KINETICS

Concept Codes: BIOCHEM METH-STEROLS, STERIODS(10057); BIOCHEM METH-CARBOHYDRATES(10058); BIOCHEM STUD-STEROLS, STERIODS(+100-67); BIOCHEM STUD-CARBOHYDR.(+10068); BIOPHYS-GENERAL BIOPHYS TECH(10504); BIOPHYS-MOLECUL PROP, MACROMOLEC(+10506); MOVEMENT(12100); PHARMACOL-GENERAL STUDIES(+22002); PHARMACOL-ENDOCRINE SYST(+22016)

69020656

EVALUATION AND CALIBRATION OF AN AUTOMATED RISING PLATE METER FOR ESTIMATING DRY MATTER YIELD OF PASTURE

EARLE D F; MCGOWAN A A

DEP. AGRIC., SHEPPARTON, VICTORIA, AUST.

AUST J EXP AGRIC ANIM HUSB 19 (98). 1979. 337-343. Coden: AAAHA

Language: ENGLISH

An automatic rising plate meter called the Ellinbank Pasture Meter (EPM) was constructed and evaluated at the Dairy Research Institute (Ellinbank [Australia]) for measuring the dry matter present on a pasture dominated by green perennial ryegrass. The meter readings of pasture height correlated linearly with pasture yield, and the coefficient of variation of calibrations on any one data averaged about 13%. When the data from a large number of calibrations from separate dates were pooled, the coefficient of variation increased to about 18% (RSD [residual standard deviation] 370 kg ha⁻¹). Although there was a high level of repeatability of readings within operators, a substantial degree of variation existed between operators. The diurnal variation in dry matter percentage of pasture had only small effects on the meter readings. The EPM has an advantage over other pasture measuring methods in that its automatic function enables up to 100 pasture measurements to be made in 5 min. In direct comparison with a manual rising plate meter and a 2 probe electronic capacitance meter, there was no significant difference in accuracy between the 3 but the advantages of the EPM are discussed. On perennial ryegrass/white clover pastures in an actively growing

vegetative state, the EPM is accurate enough for research purposes yet simple enough for use as an aid to pasture management.

Descriptors: PERENNIAL RYE GRASS WHITE CLOVER AUSTRALIA ELLINBANK PASTURE METER VARIATION COEFFICIENT ELECTRONIC CAPACITANCE METER

Concept Codes: GENERAL FIELD METHODS(+01008); GENERAL FIELD APPARATUS(+01010); MATHEMATIC BIOL/STATISTIC METH(+04500); CIRCADIAN RHYTHM/PERIODIC CYCLES(07200); ECOLOGY-PLANT(07506); EXTERN EFF-ELECTR, MAGNET, GRAVITY(10610); PLANT PHYSIOL-GROWTH-DIFFERENTIAT(+51510); AGRONOMY-FORAGE CROPS, FODDER(+52506)

Biosystematic Codes: GRAMINEAE(25305); LEGUMINOSAE(26260)

19058711

EFFECT OF CARBOSTIMULIN ON BLOOD REGENERATION IN POST HEMORRHAGIC ANEMIA

ZHURBIN G I; GULYI M F; STOJNI N A; GRUZOVA L M; MIKHAILOVSKAYA L A

A.V. PALLADIN INST. BIOCHEM., ACAD. SCI. UKR. SSR, KIEV, USSR.

UKR BIOKHIM ZH 52 (2). 1980. 255. Coden: UBZHD

Language: RUSSIAN

Descriptors: ABSTRACT RABBIT METABOLIC-DRUG ACID BASE BALANCE BLOOD FORMED ELEMENTS PROTEIN METABOLISM

Concept Codes: GENL BIOL-SYMPOSIA, PROCDNGS, REVW(00520); CYTOLOGY/CYTOCHEM-ANIMAL(02506); COMPARATIVE BIOCHEM-GENL STUDIES(10010); BIOCHEM STUD-GENERAL(10060); BIOCHEM STUD-PROTEINS, PEPTIDES, AMINO ACID(10064); BIOPHYS-MOLECUL PROP, MACROMOLEC(10506); MOVEMENT(12100); METABOLISM-GENL STUD, METAB PATHW(+13002); METABOLISM-PROTNS, PEPTOS, AM ACDS(+1-3012); CARDIOVASC SYST-BLD VESS PATHOL(+14508); BLOOD/BODY FLDS-BLOOD CELL STUOS(15004); BLOOD/BODY FLDS-BLD, LYM, RES PATH(+15006); PHARMACOL-DRUG METAB, METAB STIMU(+22003); PHARMACOL-BLOOD, HEMATO AGENTS(+22008); PHARMACOL-CARDIOVASC SYST(+22010)

Biosystematic Codes: LEPORIDAE(86040)

R&S 138249

19055810

RESTRICTION ENDO NUCLEASE ECO-R-I ITS PURIFICATION AND USE
IN THE RESTRICTION MAPPING OF CLONED GENE FRAGMENTS

EWING S E

UNIV. MICH. MED. SCH., ANN ARBOR, MICH., USA.

10TH ANNUAL MIDWEST STUDENT MEDICAL RESEARCH FORUM, ANN
ARBOR, MICH., USA, MAR. 28-30, 1979. CLIN RES 27 (4). 1979.
716A. Coden: CLREA

Language: ENGLISH

Descriptors: ABSTRACT PHAGE CHARN 16A HUMAN RIBOSOMAL DNA
GENETIC ENGINEERING

Concept Codes: GENL BIOL-SYMPOSIA,PROCDNGS,REVW(00520);
GENETICS/CYTOGENET-HUMAN(*03508); COMPARATIVE BIOCHEM-GENL
STUDIES(10010); BIOCHEM METH-NUCL ACD,PURNS,PYRM(10052);
BIOCHEM STUD-NUCL ACD,PURNS,PYRM(*10062); BIOCHEM STUD-PROTEI-
NS,PEPTIDES,AMINO ACD(10064); REPLICATN,TRANSCRIPTN,TRANSLATN-
(*10300); BIOPHYS-MOLECUL PROP,MACROMOLEC(*10506); ENZYMES-ME-
THODS(10804); METABOLISM-NUCL ACD,PURINS,PYRIM(*13014);
BACTERIAL AND VIRAL GENETICS(*31500); MICROBIOLOG
APPARAT,METHS,MEDIA(32000); VIROLOGY-BACTERIOPHAGE(33504)

Biosystematic Codes: BACTERIAL VIRUSES(02100); ENTEROBACTER-
IACEAE(04810)

19039977

KIMURAS RECURRING FIGURES TEST A NORMATIVE STUDY

RIXECKER H; HARTJE W

DEP. NEUROL., RHEINISCH-WESTFAEL. TECH. HOSCHSCH. AACHEN,
GEOTHESTR. 27, D-5100 AACHEN, W. GER.

J CLIN PSYCHOL 36 (2). 1980. 465-467. Coden: JCPYA

Language: ENGLISH

Descriptors: NOTE HUMAN STATISTICS GERMANY

Concept Codes: MATHEMATIC BIOL/STATISTIC METH(04500);
BEHAVIOR BIOL-HUMAN BEHAVIOR(*07004); PHYSIOLOGY-METHODS(1200-
6); NERVOUS SYST-GENL STUDS,METHS(20501); NERVOUS
SYST-PHYSIOL,BIOCHEM(*20504); PSYCHIATRY-GEN,MED PSYCHIL/SOCIO-
L(*21001)

Biosystematic Codes: HOMINIDAE(86215)

19038813

RECENT DATA ON THE METABOLISM OF DRUGS BY UDP GLUCURONOSYL
TRANSFERASES AND SULFO TRANSFERASES

BATT A-M; MAGDALOU J; MARTIN N; LEPAGE C; KIFFEL L; SIEST G
LAB. BIOCHIM. PHARMACOL., FAC. SCI. PHARM. BIOL., 7 RUE
ALBERT LEHRUN, B.P. 403, F-54001 NANCY CEDEX, FR.

ANNUAL MEETING OF THE SOCIETE FRANCAISE DE BIOLOGIE CLINIQUE
(FRENCH SOCIETY OF CLINICAL BIOLOGY) ON ENZYMES IN METABOLISM
OF DRUGS, NOV. 30, 1979, ANN BIOL CLIN 38 (1). 1980. 35-48.

Coden: ARCLA

Language: FRENCH

Descriptors: HUMAN XENOBIOTICS MEMBRANE ENZYMES CYTOSOL
ENZYMES LIPID ENVIRONMENT

Concept Codes: GENL BIOL-SYMPOSIA,PROCDNGS,REVW(00520);
CYTOLOGY/CYTOCHEM-HUMAN(02508); CLIN BIOCHEM-GENL STUDIES(100-
06); COMPARATIVE BIOCHEM-GENL STUDIES(10010); BIOCHEM

STUD-GENERAL(10060); BIOCHEM STUD-PROTEINS,PEPTIDES,AMINO
ACD(10064); BIOCHEM STUD-LIPIDS(10066); BIOPHYS-MOLECUL
PROP,MACROMOLEC(10506); BIOPHYS-MEMBRANE PHENOMENA(10508);
ENZYMES-PHYSIOLOGICAL STUDIES(*10808); METABOLISM-GENL
STUD,METAB PATHW(*13002); PHARMACOL-DRUG METAB,METAB
STIMU(*22003)

Biosystematic Codes: HOMINIDAE(86215)

19024987

ISOLATION OF THE STRUCTURAL GENE FOR ALCOHOL DEHYDROGENASE
BY GENETIC COMPLEMENTATION IN YEAST

WILLIAMSON V M; BENNETZEN J; YOUNG E T; NASMYTH K; HALL B D
DEP. BIOCHEM., UNIV. WASH., SEATTLE, WASH. 98195, USA.

NATURE (LOND) 283 (5743). 1980. 214-216. Coden: NATUA

Language: ENGLISH

Descriptors: NOTE SACCHAROMYCES-CEREVISIAE ECO-R-I
RESTRICTION ENDO NUCLEASE RECOMBINANT PLASMIDS DNA SEQUENCING

Concept Codes: GENETICS/CYTOGENET-PLANT(*03504); BIOCHEM
METH-NUCL ACD,PURNS,PYRM(10052); BIOCHEM STUD-NUCL
ACD,PURNS,PYRM(*10062); BIOCHEM STUD-PROTEINS,PEPTIDES,AMINO
ACD(10064); BIOPHYS-MOLECUL PROP,MACROMOLEC(*10506); ENZYMES--
PHYSIOLOGICAL STUDIES(*10808); BACTERIA-MORPHOLOGY,CYTOLOGY(3-
0500); BACTERIA-PHYSIOLOGY,BIOCHEMISTRY(31000); BACTERIAL AND
VIRAL GENETICS(31500); PLANT PHYSIOL-ENZYMES(*51518)

Biosystematic Codes: ENTEROBACTERIACEAE(04810); ASCOMYCETES-
(15100)

19021812

THE CYTOSKELETON OF FIBROBLASTS CONFINED TO HAPTO TACTIC
ISLANDS

MAREK L F; PERDUE B D; KELLEY R O

ANAT. DEP., UNIV. N.M. SCH. MED., ALBUQUERQUE, N.M. 87131,
USA.

71ST ANNUAL MEETING OF THE AM. SOC. BIOL. CHEM. HELD WITH
THE BIOPHYS. SOC., NEW ORLEANS, LA., USA, JUNE 1-6, 1980. FED
PROC 39 (6). 1980. ABSTRACT 2338. Coden: FEPRA

Language: ENGLISH

Descriptors: ABSTRACT HUMAN IMR-90 FIBROBLAST SKIN BIOPSY
CELL SHAPE CELL MOTILITY

Concept Codes: GENL BIOL-SYMPOSIA,PROCDNGS,REVW(00520);
CYTOLOGY/CYTOCHEM-HUMAN(*02508); MOVEMENT(12100); BONE,JNTS,F-
ASC,CONN/ADIP-ANATOMY(*18002); BONE,JNTS,FASC,CONN/ADIP-PHY,BCH(*18004); INTEGUMENT SYST-PHY-
SIOL,BIOCHEM(18504)

Biosystematic Codes: HOMINIDAE(86215)

19010049

SITE OF MORPHINE WITHDRAWAL DIARRHEA IN THE RAT

SCHREIER W A; BURKS T F

DEP. PHARMACOL., COLL. MED., UNIV. ARIZ., TUCSON, ARIZ. 85724, USA.

64TH ANNUAL MEETING OF THE FED. AM. SOC. EXP. BIOL., ANAHEIM, CALIF., USA, APR. 13-18, 1980. FED PROC 39 (3). 1980. ABSTRACT 184. Coden: FEPR

Language: ENGLISH

Descriptors: ABSTRACT NALOXONE

Concept Codes: GENL BIOL-SYMPOSIA, PROCDNGS, REVW(00520); BEHAVIOR BIOL-ANIMAL BEHAVIOR(07003); BIOCHEM STUD-GENERAL(10-060); DIGESTIVE SYST-PATHOLOGY(+14006); PSYCHIATRY-ADDICTION(-INC SMOKNG)(+21004); PHARMACOL-NEUROPHARMACOLOGY(+22024); PHARMACOL-PSYCHOPHARMACOLOGY(+22026); TOXICOL-PHARMACOLOGICAL(+22504); PLANT PHYSIOL-CHEM CONSTITUTE-

NTS(51522); PHARMACOGNOSY/PHARMACEUT BOTANY(54000)

Biosystematic Codes: PAPAVERACEAE(26515); MURIDAE(86375)

54040530 unavailable

54034707 unavailable

18060416

STUDIES ON THE RESIN CHEMISTRY OF SOME WESTERN AUSTRALIAN PLANTS

JEFFERIES P R

ORG. CHEM. DEP., UNIV. WEST. AUST., NEDLANDS, WEST. AUST. 6009, AUST.

J R SOC WEST AUST 62 (1-4). 1979 (RECD. 1980). 95-108. Coden: JRSUA

Language: ENGLISH

Descriptors: REVIEW EUPHORBIACEAE GIBBERELLIN PATHWAY DI TERPENOIDS TRI TERPENES

Concept Codes: BIOCHEM METH-LIPIDS(10056); BIOCHEM STUD-LIPIDS(10066); BIOPHYS-MOLECUL PROP, MACROMOLEC(10506); METABOLISM-LIPIDS(+13006); PLANT PHYSIOL-GROWTH SUBSTANCES(+5-1514); PLANT PHYSIOL-METABOLISM(+51519); PLANT PHYSIOL-CHEM CONSTITUENTS(+51522)

Biosystematic Codes: EUPHORBIACEAE(26055)

18054912

INDUCTION OF AROMATASE IN OVARIES OF PREGNANT RATS

GIBORI G

DEP. PHYSIOL. BIOPHYS., UNIV. ILL., MED. CENT., CHICAGO, ILL. 60680, USA.

12TH ANNUAL MEETING OF THE SOCIETY FOR THE STUDY OF REPRODUCTION, QUEBEC, QUE., CANADA, AUG. 21-24, 1979. BIOL REPROD 20 (SUPPL. 1). 1979. 17A. Coden: BIREB

Language: ENGLISH

Descriptors: ABSTRACT CORPORA LUTEA PITUITARY FOLLICLE STIMULATING HORMONE TESTOSTERONE HORMONE-DRUG ESTRADIOL HYPOPHYSECTOMY RADIO IMMUNOASSAY

Concept Codes: GENL BIOL-SYMPOSIA, PROCDNGS, REVW(00520); RADIATION BIOL-RADTN, ISOTOP TECH(06504); BIOCHEM STUD-PROTEIN-S, PEPTIDES, AMINO ACID(10064); BIOCHEM STUD-STEROLS, STERIODS(10-067); BIOCHEM STUD-CARBOHYDR.(10068); ENZYMES-PHYSIOLOGICAL STUDIES(+10808); ANATOMY/HISTOL-EXPERIMENTAL(11104); METABOLISM-STEROLS, STERIODS(+13008); METABOLISM-PROTNS, PEPTDS, AM ACDS(+13012); REPRODUCT SYST-GENL STUDS, METHS(16501); REPRODUCT SYST-PHYSIOL, BIOCHEM(+16504); ENDOCRINE SYST-GONADS, PLACENTA(+17006); ENDOCRINE SYST-PITUITARY(+17014); PHARMACOL-ENDOCRINE SYST(+22016); PHARMACOL-REPRODUCT SYST, IMPLANT(+22028); ROUTES OF IMMUNIZ, INFECT, THERAP(22100); IN VITRO STUDS-CELLULR, SUBCELL(32600); IMMUNOL/IMMUNOCHEM-GEN METH(34502)

Biosystematic Codes: MURIDAE(86375)

18043329

WETLANDS OF IRELAND AND THEIR BIRDS

HUTCHINSON C

HUTCHINSON, C. IRELAND'S WETLANDS AND THEIR BIRDS. 201P. IRISH WILDBIRD CONSERVANCY; DUBLIN, IRELAND. ILLUS. MAPS. ISBN 0-9504454-4-4. O (O). 1979. 201P. Coden: QB242

Language: ENGLISH

Descriptors: BOOK DUCK GOOSE SWAN WADER PHOTOGRAPHY DISTRIBUTION MAP

Concept Codes: PHOTOGRAPHY-METHS, MATLS, APPARAT(01012); MISC METHODS, MATERIALS, APPARATUS(01014); ECOLOGY-ANIMAL(+07508); ECOLOGY-OCEANOGRAPHY, LIMNOLOGY(+07510); ECOLOGY-LIMNOLOGY(+07514); ECOLOGY-WATR RESRCH, FISHERY BIOL(+07517); ECOLOGY-TERRESTRIAL WILDLIFE MGMT(+07518); CHORDATE TAXONOMY-AVES(+62518); ANIMAL DISTRIBUTION/ZOOGEOGRAPHY(62800)

Biosystematic Codes: AVES-UNSPECIFIED(85500); ANSERIFORMES(-85504)

18036133

A CHEMICAL STRUCTURE IN TUBERCLE BACILLI RESPONSIBLE FOR
EPITHELIOID GRANULOMA FORMATIONEMORI K; TANAKA A
FAC. MED., RES. INST. DIS. CHEST, KYUSHU UNIV., FUKUOKA 812,
JPN.24TH WORLD CONFERENCE OF THE INTERNATIONAL UNION AGAINST
TUBERCULOSIS-3, BRUSSELS, BELGIUM, SEPT. 5-9, 1978. BULL. INT
UNION AGAINST TUBERC 54 (2). 1979. 166-167. Coden: UITBA

Language: ENGLISH

Descriptors: NOTE GUINEA-PIG RAT MURAMYL DI PEPTIDE

Concept Codes: GENL BIOL-SYMPOSIA, PROCDNGS, REVW(00520);
BIOCHEM STUD-PROTEINS, PEPTIDES, AMINO ACID(10064); PATHOLOGY-IN-
FLAMMATN, INFLAM DIS(12508); BACTERIA-PHYSIOLOGY, BIOCHEMISTRY(-
*31000); MED/CLIN MICROBIOL-BACTERIOLOGY(*36002)Biosystematic Codes: MYCOBACTERIACEAE(05822); CAVIIDAE(8630-
0); MURIDAE(86375)

18014876

IN-VITRO GENERATION OF SUPPRESSOR CELLS IN HUMAN MIXED
LEUKOCYTE CULTURE A POTENTIAL TREATMENT MODALITY IN ORGAN
TRANSPLANTATIONMILLER J; CLARK C; FLAA C
DIV. TRANSPLANT., DEP. SURG., UNIV. MIAMI SCH. MED., MIAMI,
FLA. 33146, USA.PROCEEDINGS OF THE 7TH INTERNATIONAL CONGRESS OF THE
TRANSPLANTATION SOCIETY, ROME, ITALY, SEPT. 3-8, 1978.
TRANSPLANT PROCEED 11 (1). 1979. 899-903. Coden: TRPPA

Language: ENGLISH

Descriptors: MOUSE MODEL

Concept Codes: GENL BIOL-SYMPOSIA, PROCDNGS, REVW(00520);
CYTOLOGY/CYTOCHEM-HUMAN(*02508);

ANATOMY/HISTOL-REGEN, TRANSPLANT(*11107);

PATHOLOGY-THERAPY(*12512); BLOOD/BODY FLOS-BLOOD CELL
STUDS(15004); BLOOD/BODY FLOS-LYMPHAT TISS.RES(*15008); TISS
CULTURE-APPARAT, METHS, MEDIA(32500);

IMMUNOL/IMMUNOCHEM-IMMUNOPATHOL(*34508)

Biosystematic Codes: HOMINIDAE(86215); MURIDAE(86375)

53028917 unavailable

68076161

EFFECTS OF HUMIC-ACID FRACTIONS ON INVERTASE ACTIVITIES IN
PLANT TISSUESMALCOLM R E; VAUGHAN D
DEP. SOIL ORG. CHEM., MACAULAY INST. SOIL RES.,
CRAIGIEBUCKLER, ABERDEEN AB9 2QJ, SCOTL., UK.

SOIL BIOL BIOCHEM 11 (1). 1979. 65-72. Coden: SB10A

Language: ENGLISH

The effect of some soil organic matter fractions and
synthetic humic acids were tested on the invertase activities
in tissues of several higher plant species (wheat,wheat, bean and pea]. The effects varied according to the
plant and soil organic matter fraction used. No fraction
tested had any effect on the invertase activity of beet root
storage tissue, but several fractions, mainly humic acid and
its residues obtained by water or acid boiling, inhibited
invertase in carrot storage tissues and wheat roots and
coleoptiles and to a lesser extent in mungbean hypocotyls.
Soil phenolic acids had no effect in any of the plant tissues
tested. Some stimulation of invertase activity occurred with
pea root tissue, using the water- and acid-soluble humic-acid
fractions. The effects were independent of ash contents, total
N or the C:H:N ratio, and could not be ascribed to any
particular chemical component. The inhibitory effects on wheat
invertase activity produced by soil organic matter were
independent of pH in the range 4.5-7.0 and were constant over
a 4 h incubation. The inhibitors only slightly affected the Km
but markedly affected the Vmax of the reaction, hence they
were non-competitive. The effect of a naturally-occurring
invertase inhibitor from beet root storage tissues could be
reduced in the presence of humic acid. Although the inhibitor
had little effect on wheat root invertase, it did reduce the
inhibitory effect of the humic acid in this tissue.

Descriptors: BEET CARROT WHEAT BEAN PEA INHIBITOR

Concept Codes: BIOCHEM STUD-GENERAL(10060); BIOCHEM
STUD-PROTEINS, PEPTIDES, AMINO ACID(10064); ENZYMES-CHEM, PHYSICAL
STUDIES(*10806); ENZYMES-PHYSIOLOGICAL STUDIES(*10808); PLANT
MORPHOL, EMBRYOL, ANATOMY(*51000); PLANT PHYSIOL-ENZYMES(*51518)
; AGRONOMY-GRAIN CROPS(52504); SOIL SCI-PHYSICS, CHEMISTRY(*52-
805); HORTICULT-VEGETABLES(53008)Biosystematic Codes: GRAMINEAE(25305); CHENOPODIACEAE(25795)
; LEGUMINOSAE(26260); UMBELLIFERAE(26915)

68068149

THE PHYLOGENY AND GEOGRAPHICAL DISTRIBUTION OF THE ALEUROPTERYGINAE NEUROPTERA CONIOPTERYGIDAE

MEINANDER M

DIV. ENTOMOL., ZOOL. MUS., N. JARNAVAGSGATAN 13. SF-00100 HELSINGFORS 10, FINL.

ANN ENTOMOL FENN 45 (1). 1979. 16-23. Coden: AETFA

Language: ENGLISH

Cladistic analysis is applied to the subfamily. The division into 3 tribes is accepted; Fontenelleini is considered a sister group to Coniocompini and Aleuropterygini. Fontenelleini is divided into 3 different evolutionary lines. The fossil species are reviewed and their systematic position discussed. Coniopterygidae existed before Pangaea broke up into different continents and an attempt is made to correlate the phylogeny with the theory of continental drift.

Descriptors: FONTENELLEINI CONIOCOMPSINI ALEUROPTERYGINI PANGAEA FOSSIL SPECIES CONTINENTAL DRIFT

Concept Codes: GENL BIOL-TAXONOMY, NOMENCLATUR(*00504); EVOLUTION(*01500); MATHEMATIC BIOL/STATISTIC METH(*04500); MOVEMENT(12100); PALEOZOOLOGY(63000); INVERTEB TAXN-INSECTA, NEUROPTERA(*63586)

Biosystematic Codes: PALEOZOOLOGY(31000); NEUROPTERA(75336)

68043798

PURIFICATION AND PROPERTIES OF THE HEM AGGLUTININ FROM WISTERIA-FLORIBUNDA SEEDS

CHUNG G; HARATZ A; KATAR M; SKROKOV R; PORETZ R D
DEP. BIOCHEM., BUR. BIOL. RES., RUTGERS UNIV., NEW BRUNSWICK, N.J. 08903, USA.

BIOCHEMISTRY 18 (9). 1979. 1646-1650. Coden: BICHA

Language: ENGLISH

Extracts of *W. floribunda* seeds contain separable erythroagglutinating and lymphocyte mitogenic activities. The purification and characterization of the erythroagglutinating lectin of these seeds is reported. A phosphate-buffered saline (PBS) extract of the ground seeds was made to 50% ethanol. The precipitate, which contained both the agglutinin and mitogen, was dissolved in PBS. The erythroagglutinating activity was adsorbed onto insoluble polyleucyl derivatized A+H active hog gastric mucin. After desorption with 0.2 M D-galactose and removal of the sugar by dialysis, the eluate displayed 3 protein bands on polyacrylamide gel electrophoresis. The major component represented 85% of the mixture. Immunoelectrophoresis of the mixture demonstrated immunochemical identity among the proteins. Gel filtration through Sephadex G-200 resulted in purification of the major component. Based upon the composition and subunit MW, that the 3 components apparently represent a dimer, tetramer and octamer of a single glycopolyptide chain of 28,000. The erythroagglutinin has a pI [isoelectric point] at pH 5.4 and 1 cysteine/dimeric unit.

Descriptors: HOG GASTRIC MUCIN GLYCO POLY PEPTIDE LYMPHOCYTE MITOGEN ERYTHRO AGGLUTININ

Concept Codes: BIOCHEM METH-PROTNS, PEPTIDS, AM AC(10054); BIOCHEM STUD-PROTEINS, PEPTIDES, AMINO ACD(*10064); BIOCHEM STUD-CARBOHYDR (10068); BIOPHYS-GENERAL BIOPHYS TECH(10001);

MOVEMENT(12100); DIGESTIVE SYST-PHYSIOL, BIOCHEM(14004); BLOOD/BODY FLDS-BLOOD CELL STUDS(*15004); BLOOD/BODY FLOS-LYMPHAT TISS, RES(*15008); PHARMACOL-BLOOD, HEMATO AGENTS(-22008); PHARMACOL-IMMUNO PROCES, ALLERGY(*22018); IMMUNOL/IMMUNOCHEM-GEN METH(34502); IMMUNOL/IMMUNOCHEM-IMMUNOPATHOL(*34508); PLANT PHYSIOL-CHEM CONSTITUENTS(*51522); PLANT PHYSIOL-APPARATUS, METHODS(51524); PHARMACOGNOSY/PHARMACEUT BOTANY(*54000)

Biosystematic Codes: LEGUMINOSAE(26260)

68039250

LATE ANEMIA IN INFANTS WITH RHESUS HEMOLYTIC DISEASE TREATED WITH INTENSIVE PHOTO THERAPY

EBBESEN F

DEP. NEONATOL., RIGSHOSP., BLEGDAMSVEJ 9, DK-2100 COPENHAGEN, DEN.

EUR J PEDIATR 130 (4). 1979. 285-290. Coden: EJPED

Language: ENGLISH

The incidence of late anemia in infants with rhesus hemolytic disease (RHD) who had received intensive phototherapy was determined. Sixty infants with RHD and with strongly positive direct Coombs' tests who had received intensive phototherapy (blue double light) were followed as out-patients with regard to development of late anemia. Fifteen (25%) infants developed moderate anemia and 5 (8%) severe anemia, 1 of the latter requiring a blood transfusion. The incidence of late anemia was equal in non-exchanged infants and those who required exchange transfusion. The former developed anemia significantly earlier than the latter, and in both groups the declining Hb level caused a marked reticulocyte response which was equal in both groups. This response may explain the low incidence of anemia in both the non-exchanged and exchanged infants. Phototherapy, especially intensive phototherapy, is of great value in the treatment of rhesus hemolytic disease.

Descriptors: EXCHANGE TRANSFUSIONS

Concept Codes: RADIATION BIOL-RADTN, ISOTOP TECH(06504); RADIATION BIOL-RADTN EFF, PROTECT(*06506); BIOCHEM STUD-PROTEINS, PEPTIDES, AMINO ACD(10064); BIOCHEM STUD-PORPHYRNS, BILE PIGM(10065); EXTERN EFF-LIGHT, DARKNESS(*10604); PATHOLOGY-THERAPY(*12512); METABOLISM-PROTNS, PEPTDS, AM ACDS(13012); METABOLISM-PORPHYRINS, BILE PIGMN(13013); BLOOD/BODY FLDS-GENL STUDS, METHS(*15001); BLOOD/BODY FLDS-BLOOD CELL STUDS(15004); BLOOD/BODY FLDS-BLD, LYM, RES PATH(*15006); PEDIATRICS(*25000); IMMUNOL/IMMUNOCHEM-GEN METH(34502); IMMUNOL/IMMUNOCHEM-IMMUNOHEMATOL(*34506); IMMUNOL/IMMUNOCHEM-IMMUNOPATHOL(*34508)

Biosystematic Codes: HOMINIDAE(86215)

68029761

MUTAGENICITY OF OPTICALLY PURE LEVO TRANS-7,8-DI-HYDROXY DI-HYDRO BENZO A PYRENE

NAGAO M; SUGIMURA T; YANG S K; GELBOIN H V
 BIOCHEM. DIV., NATL. CANCER CENT., RES. INST., TSUKUBA,
 CHUO, TOKYO 104, JPN.
 MUTAT RES 58 (2-3). 1978. 361-366. Coden: MUREA.
 Language: ENGLISH

Benzo[a]pyrene (BP) is 1 of the carcinogens that is ubiquitous in the environment. Bacterial mutation tests may be useful for the primary screening of carcinogens and for the detection of ultimate or proximate forms of mutagenic carcinogens. The mutagenicity of various BP derivatives has been reported by many researchers. *r*-7,8-Dihydroxy-*t*-9,10-oxy-7,8,9,10-tetrahydrobenzo[a]pyrene (diol-epoxide I), *r*-7,8-dihydroxy-*c*-9,10-oxy-7,8,9,10-tetrahydrobenzo[a]pyrene (diol-epoxide II) and 4,5-oxy-4,5-dihydrobenzo[a]pyrene were the strongest direct mutagens [3,4,10]. *trans*-7,8-Dihydroxy-7,8-dihydrobenzo[a]pyrene (*trans*-7,8-diol) was a more potent mutagen than BP when metabolically activated by mammalian cells in culture or by highly purified hepatic microsomal enzymes from rats. These findings are consistent with the observation that *trans*-7,8-diol is converted metabolically into diol-epoxides I and II, which were the most active direct mutagens. In rats, one of the diastereomers of diol-epoxide I was produced *in vitro* exclusively from the (-)-enantiomer of *trans*-7,8-diol [16]. The (+)- and (-)-enantiomers of *trans*-7,8-diol have been resolved as their di(-)-menthoxyacetates by high pressure liquid chromatography. This paper reports on the mutagenicity of the (+)- and (-)-enantiomers of *trans*-7,8-diol, their di(-)-menthoxyacetates, and the hydrolysis and reduction products of diol-epoxides I and II. [*Salmonella typhimurium* was used.]

Descriptors: SALMONELLA-TYPHIMURIUM RAT MAMMAL ENVIRONMENTAL CARCINOGEN SCREENING

Concept Codes: GENETICS/CYTOGENET-ANIMAL(03506); BIOCHEM METH-GENERAL(10050); BIOCHEM STUD-GENERAL(10060); BIOCHEM STUD-PROTEINS, PEPTIDES, AMINO ACID(10064); BIOPHYS-GENERAL BIOPHYS TECH(10504); BIOPHYS-MOLECUL PROP, MACROMOLEC(10506); ENZYMES-PHYSIOLOGICAL STUDIES(10808); MOVEMENT(12100); METABOLISM-GENL STUD, METAB PATHW(13002); TOXICOL-GENL/EXP STUDS, METHS(22501); TOXICOL-ENVIRONMENTAL, INDUSTR(22506); NEOPLASMS/NEOPL AGENTS-CARCINOGENS(24007); BACTERIAL AND VIRAL GENETICS(31500); MICROBIOLOG APPARAT, METHS, MEDIA(32000); IN VITRO STUDS-CELLULAR, SUBCELL(32600); ENVIRON HEALTH-AIR, WATER, SOIL(37015)

Biosystematic Codes: ENTEROBACTERIACEAE(04810); MAMMALIA-UNSPECIFIED AND EXTINCT(85700); MURIDAE(86375)

72049052 unavailable

72041686 unavailable

67064523

TUBULAR SECRETION OF PHOSPHATE IN THE HUMAN KIDNEY

SCHABEL F
 UNIV. KINDERKLIN. INNSB., ANICHSTR. 35, A 6020 INNSBRUCK, AUSTRIA.
 PAEDIATR PAEDOL 13 (4). 1978. 385-390. Coden: PAPAB
 Language: GERMAN

There are a few scattered publications on primary tubulopathies, where a net secretion of P by renal tubules, a mechanism usually not existing in man, is shown. A 30% increase of phosphate excretion over filtration after a phosphate load is demonstrated in a case. The mechanism of action is discussed. Under a rapid increase in serum phosphorus or after volume expansion a tubular secretory mechanism of phosphate can be unmasked. This secretory mechanism goes into action only beyond a certain serum threshold of P; a transport maximum cannot be shown. Passive transport by means of an increased diffusion cell to lumen is the proposed mechanism.

Descriptors: SERUM THRESHOLD PASSIVE TRANSPORT

Concept Codes: CYTOLOGY/CYTOCHEM-HUMAN(02508); MINERALS(10069); BIOPHYS-MEMBRANE PHENOMENA(10508); MOVEMENT(12100); MINERALS(13010); BLOOD/BODY FLDS-GENL STUDS, METHS(15001); BLOOD/BODY FLDS-BLOOD, LYMPH STUD(15002); URIN SYST/EXT SECR-GEN STUD, METH(15501); URIN SYST/EXT SECR-PHYSL, BIOCHEM(15504); URIN SYST/EXT SECR-PATHOLOGY(15506)

Biosystematic Codes: HOMINIDAE(86215)

67063989

A RAPID METHOD FOR DETECTING BASE DAMAGE IN DNA OF MAMMALIAN CELLS ASSAY OF UV INDUCED PYRIMIDINE DIMERS IN HUMAN CELLS

BRYANT P E; JANSSON G; AHNSTROM G
GES. STRAHLEN UMWELTFORSCH. MBH, INST. BIOL.,
PAUL-EHRICH-STR. 15-20, D-6000 FRANKFURT/MAIN, W. GER.
INT J RADIAT BIOL RELAT STUD PHYS CHEM MED 34 (5). 1978.
481-488. Coden: IJRBA

Language: ENGLISH

Methods of detecting pyrimidine dimers in DNA of irradiated cells, using UV endonuclease from *Micrococcus luteus* are reported which have the advantages of speed and reproducibility over the sedimentation method. [Human MRC-5 embryonic lung cells were studied.] The methods involve the use of a simple and rapid technique for measuring the numbers of breaks formed in the DNA. DNA breaks formed with endonuclease are detected by first gently 'unwinding' the DNA from breakage points under mild alkaline conditions. Measurement of the resultant amounts of single- and double-stranded DNA were made following brief sonication of the DNA to reduce its molecular weight.

Descriptors: MICROCOCCUS-LUTEUS MRC-5 EMBRYONIC LUNG CELLS
UV ENDO NUCLEASE

Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(02506); CYTOLOGY/CYTOCHEM-HUMAN(+02508); GENETICS/CYTOGENET-ANIMAL(+03506); GENETICS/CYTOGENET-HUMAN(+03508); RADIATION BIOL-RADIN EFF, PROTECT(+06506); BIOCHEM STUD-NUCL ACD, PURNS, PYRM(+10062); BIOPHYS-MOLECUL PROP, MACROMOLEC(+10506); EXTERN EFF-LIGHT, DARKNESS(10604); ENZYMES-METHODS(10804); RESPIRATORY SYST-PHYSIO-L, BIOCHEM(16004); DEVELOPMNTL BIOL-EXPERIMENTAL(25504); BACTERIA-PHYSIOLOGY, BIOCHEMISTRY(31000); TISS CULTURE-APPARAT, METHS, MEDIA(32500)

Biosystematic Codes: MICROCOCCACEAE(05510); MAMMALIA-UNSPECIFIED AND EXTINCT(85700); HOMINIDAE(86215)

67054429

TITRATION AND CIRCULATION OF CELLS MEDIATING DELAYED TYPE HYPER SENSITIVITY IN NORMAL AND CYCLO PHOSPHAMIDE TREATED MICE DURING RESPONSE TO SHEEP RED BLOOD CELLS

MARCHAL G; MILON G; HURTREL B; LAGRANGE P H
UNITE IMMUNOPHYSIOL. CELL., DEP. BIOL. MOL., INST. PASTEUR,
25 RUE DU DR. ROUX, 75015 PARIS, FR.
IMMUNOLOGY 35 (6). 1978. 981-988. Coden: IMMUA

Language: ENGLISH

The delayed-type-hypersensitivity (DTH) reaction observed in mice primed i.v. with low doses of sheep red blood cells is not detectable after priming with large doses. Estimation of the number of DTH mediating cells (DTH-C) was performed by titration (D50 determination) using local adoptive transfer of these cells mixed with antigen into footpads of unprimed mice. In opposition to the absence of peripheral DTH-C, splenic DTH-C were more numerous after large doses than after low doses of antigen. The ability of cyclophosphamide to restore DTH responsiveness in mice primed with large doses appeared to be related to an increased circulation of DTH-C. These cells circulated only in mice without any detectable B(bone marrow

derived)-cell response or in which this response was depressed. Thus a B-cell dependent splenic retention process of DTH-C is discussed as the origin of DTH unresponsiveness observed after priming with large doses of antigen.

Descriptors: IMMUNOLOGIC-DRUG BONE MARROW DERIVED CELL

Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(02506); BIOCHEM STUD-GENERAL(10060); ANATOMY/HISTOL-REGEN, TRANSPLANT(11107); CHOROATE BODY REGNS-EXTREMITIES(11318); PATHOLOGY-INFLAMMATN, -INFLAM DIS(12508); CARDIOVASC SYST-GENL STUDS, METHS(14501); BLOOD/BODY FLDS-8LOOD CELL STUDS(15004); BLOOD/BODY FLDS-LYMPHAT TISS, RES(+15008); BONE, JNTS, FASC, CONN/ADIP-GENL(+18001); INTEGUMENT SYST-GENL STUDS, METHS(18501); PHARMACOL-BLOOD, HEMATO AGENTS(22008); PHARMACOL-IMMUNO PROCES, ALLERGY(22018); ROUTES OF IMMUNIZ, INFECT, THERAP(22100); NEOPLSMS/NEOPL AGNTS-THERAP, AGNT(24008); IMMUNOL/IMMUNOCHEM-IMMUNOPATHOL(+34508); ALLERGY(+35500); CHE-MOTHERAPY-GEN STUD, METH, METAB(38502)

Biosystematic Codes: BOVIDAE(85715); MURIDAE(86375)

67047794

COMPARATIVE STUDIES ON THE PROTEINS FROM SEEDS OF LUPINUS-ANGUSTIFOLIUS

BLAGROVE R J; GILLESPIE J M

DIV. PROTEIN CHEM., CSIRO, PARKVILLE, VICTORIA 3052, AUST.

AUST J PLANT PHYSIOL 5 (5), 1978, 651-664. Coden: AJPPC

Language: ENGLISH

The seeds of 99 genotypes of *L. angustifolius* were examined by electrophoresis on cellulose acetate and contained 2 major salt-extracted globulins, conglutins .alpha. and .beta. and a 3rd minor globulin, conglutin .gamma.. Dissociation with sodium dodecyl sulfate and electrophoresis on polyacrylamide gel showed variation in the number, proportion and molecular size of the subunits which constitute these proteins. This was confirmed by electrophoresis in polyacrylamide gel containing urea at acid pH. The globulins in the salt extracts of some of the seeds were subject to partial enzymic degradation unless conditions which inactivate proteolytic enzymes were used during extraction. Crude protein level of the seed meal, determined for many of the genotypes from their N content, varied from about 30-50%. Only 5-10% of this total protein was water-extracted albumins. Amino acid analysis showed that the albumin fraction contains higher levels of many of the essential amino acids including cystine and particularly methionine.

Descriptors: GENOTYPES CYSTINE METHIONINE

Concept Codes: GENETICS/CYTOGENET-PLANT(03504); BIOCHEM METH-PROTNS,PEPTDS,AM AC(10054); BIOCHEM STUD-PROTEINS,PEPTIDES,AMINO ACD(*10064); BIOPHYS-GENERAL BIOPHYS TECH(10504); ENZYMES-METHODS(10804); MOVEMENT(12100); NUTRITION-PROTEIN,PEPTDS,AM ACDS(13224); PLANT PHYSIOL-CHEM CONSTITUENTS(*51522); HORTICULT-VEGETABLES(*53008)

Biosystematic Codes: LEGUMINOSAE(26260)

67046374

CONTROL OF CELL MULTIPLICATION PREPARATION AND IMMUNOLOGICAL COMPARISON OF INHIBITORY FACTORS IN THE HOMOGENATE AND PERFUSATE OF THE ADULT RAT LIVER

PIETU G; CHANY E; MOLIMARD R; FRAYSSINET C

INST. RECH. SCI. CANCER, BP 8, 94800 VILLEJUIF, FR.

BIOMEDICINE (PARIS) 28 (3), 1978, 169-175. Coden: BIMDB

Language: ENGLISH

The control of organ cell multiplication by a negative feed-back mechanism implies that factors of the inhibitory mechanism are present in the blood and are produced by the target organ itself. The inhibitors present in the cytosol of adult rat liver and in efferent fluid from an isolated perfused organ were examined. These 2 materials yielded predominantly protein molecules having in common a MW of approximately 80,000 daltons and an isoelectric point between pH 8-9. They inhibit both the multiplication of LF hepatoma cells in vitro and the DNA synthesis in the remnant liver following partial hepatectomy in rats. The inhibitors were compared immunologically. When antibodies against the cytosol inhibitor were tested with the Ouchterlony technique against either the original antigen or the inhibitors, a precipitin line appeared from the perfusion effluent, a common precipitation line appeared. The inhibitory activity of both the cytosol and the perfusate was neutralized by prior incubation with anti-cytosol antibodies. These results, which strongly suggest a common inhibitor in the cytosol and the perfusate, strongly support the hypothesis of a feed-back mechanism for the control of liver cell proliferation.

Isolated from the perfusion effluent, a common precipitation line appeared. The inhibitory activity of both the cytosol and the perfusate was neutralized by prior incubation with anti-cytosol antibodies. These results, which strongly suggest a common inhibitor in the cytosol and the perfusate, strongly support the hypothesis of a feed-back mechanism for the control of liver cell proliferation.

Descriptors: LF HEPATOMA CELLS PROLIFERATION DNA SYNTHESIS NEGATIVE FEEDBACK OUCHTERLONY TECHNIQUE

Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(*02506); BIOCHEM STUD-NUCL ACD,PURNS,PYRM(10062); BIOCHEM STUD-PROTEINS,PEPTIDES,AMINO ACD(10064); BIOCHEM STUD-CARBOHYDR.(10068); BIOPHYS-MOLECUL PROP,MACROMOLEC(10506); BIOPHYS-BIOCYBERNETIC-S(*10515); ANATOMY/HISTOL-EXPERIMENTAL(11104); METABOLISM-NUCL ACD,PURINS,PYRIM(13014); DIGESTIVE SYST-GENL STUDS,METHS(14001); DIGESTIVE SYST-PHYSIOL,BIOCHEM(*14004); DIGESTIVE SYST-PATHOLOGY(14006); BLOOD/BODY FLDS-BLOOD,LYMPH STUD(15002); NEOPLSMS/NEOPL AGNTS-CELL LINE(24005); NEOPLSMS/NEOPL AGNTS-BIOCHEM(24006); IN VITRO STUDS-CELLULR,SUBCELL(32600); IMMUNOL/IMMUNOCHEM-GEN METH(34502)

Biosystematic Codes: MURIOAE(86375)

67044529

INDEX OF SOVIET LITERATURE IN MEDICAL RADIOLOGY FOR 1978

ASTAKHOV I A

MED RADIOL 23 (6). 1978. 80-94. Coden: MERA

Language: RUSSIAN

A bibliography is presented of Soviet articles, monographs and books in the area of medical radiology published in 1975-1976 (in Russian). The 287 entries are listed alphabetically by author or 1st word of the title for symposia and are subdivided into the topics of radioisotopic diagnosis of diseases of the hemopoietic and reticuloendothelial systems, lymphatic system (radioisotopic lymphography), respiratory system, digestive system, hepatobiliary system, urogenital system, kidneys, thyroid gland, locomotor system, skin and nervous system. Radiation therapy and its effects on functional and anatomical changes in organs and systems, complications and aftereffects of radiation therapy, radiation therapy of tumors of different localization and type and radiation therapy of diseases of the hemopoietic system, blood and reticuloendothelial system are included. Entries give basic bibliographical information only.

Descriptors: RADIO ISOTOPIC DIAGNOSIS DISEASES HEMOPOIETIC RES LYMPHATIC SYSTEM RESPIRATORY SYSTEM DIGESTIVE SYSTEM HEPATO BILIARY SYSTEM URO GENITAL SYSTEM KIDNEYS THYROID GLAND LOCO MOTOR SYSTEM SKIN NERVOUS SYSTEM TUMORS

Concept Codes: GENL BIOL-SYMPOSIA,PROCDNGS,REVW(00520); GENL BIOL-BIBLIOGRAPHY(00526); RADIATION BIOL-GENERAL STUDIES(06502); RADIATION BIOL-RADTN,ISOTOP TECH(06504); RADIATION BIOL-RADTN EFF,PROTECT(06506); PATHOLOGY-THERAPY(12512); DIGESTIVE SYST-PATHOLOGY(14006); CARDIOVASC SYST-HEART PATHOLOGY(14506); BLOOD/BODY FLDS-BLD,LYM,RES PATH(15006); BLOOD/BODY FLDS-LYMPHAT TISS,RES(15008); URIN SYST/EXT SECR-PATHOLOGY(15506); RESPIRATORY SYST-PATHOLOGY(16006); ENDOCRINE SYST-THYROID(17018); MUSCLE SYST-PATHOLOGY(17506); INTEGUMENT SYST-PATHOLOGY(18506); NERVOUS SYST-PATHOLOGY(20506); NEOPLSMS/NEOPL AGNTS-THERAP,AGNT(24008)

Biosystematic Codes: HOMINIDAE(86215)

catabolism of protein and nucleic acid. Rough endoplasmic reticulum is increased in moderately differentiated cancer cells. AFP [alpha fetoprotein] synthesis is apparently correlated with the membrane bound polysomes. In 3 cases of hepatocarcinoma spherical granules (.vphi. 15-22 nm) were identified within the cancer cell nuclei. The nature of these intranuclear granules and their relation with AFP, HBAG [hepatitis-B antigen] and liver cancer remain to be elucidated by further study.

Descriptors: HUMAN ROUGH ENDOPLASMIC RETICULUM ALPHA FETO PROTEIN SYNTHESIS ELECTRON MICROSCOPY NUCLEIC-ACID SYNTHESIS INTRA NUCLEAR GRANULES HEPATITIS B ANTIGEN

Concept Codes: GENL BIOL-TAXONOMY,NOMENCLATUR(00504); ELECTRON MICROSCOPY(01058); CYTOLOGY/CYTOCHEM-HUMAN(02508); BIOCHEM STUD-NUCL ACD,PURNS,PYRM(10062); BIOCHEM STUD-PROTEIN-S,PEPTIDES,AMINO ACD(10064); BIOPHYS-MEMBRANE PHENOMENA(10508); ANATOMY/HISTOL-MICRO,ULTRAMICRSC(11108); PATHOLOGY-NECROSIS(12510); METABOLISM-CARBOHYDRATES(13004); METABOLISM-PROTNS-,PEPTDS,AM ACD(13012); METABOLISM-NUCL ACD,PURINS,PYRM(13014); DIGESTIVE SYST-PATHOLOGY(14006); NEOPLSMS/NEOPL AGNTS-IMMUNOLOGY(24003); NEOPLSMS/NEOPL AGNTS-PATH,CLINIC(24004); NEOPLSMS/NEOPL AGNTS-BIOCHEM(24006); NEOPLSMS/NEOPL AGNTS-CARCINOGENS(24007); DEVELOPMNTL BIOL-GENL,DESCRIPTIVE(25502); VIROLOGY-ANIMAL HOST VIRUSES(33506); IMMUNOL/IMMUNOCHEM-BACT,VIR,FUNG(34504); IMMUNOL/IMMUNOCHEM-IMMUNOPATHOL(34508); MED/CLIN MICROBIOL-VIROLOGY(36006)

Biosystematic Codes: ANIMAL VIRUSES-UNSPECIFIED(02200); HOMINIDAE(86215)

67029690

ULTRASTRUCTURAL INVESTIGATION OF PRIMARY HEPATIC CARCINOMA

SECOND MIL MED COLL ELECTRON MICROSC LAB CHINA

CHIN MED J (ENGL ED) 4 (2). 1978 111-122. Coden: CMJ00

Language: ENGLISH

Cases (60) of primary hepatocarcinoma are studied comprehensively and systematically by EM. A classification of hepatocarcinoma based on ultrastructural morphology has been proposed. Tumor cells may be classified as proliferative or degenerative and the former may be subdivided as highly, moderately and poorly differentiated cells. This view is consistent with cytokinetic findings. Similar to other malignancies, liver cancer tissue and cells may exhibit many ultrastructural variations or abnormalities of cellular organelles, but none of the observed changes can be considered as constant and specifically linked with the malignant process. As to the ultrastructural alterations of cancer cells, they chiefly reflect the exaggerated proliferation and

67013143

FLOCK MATING IN SHEEP PART 4 EFFECT OF NUMBER OF EWES PER RAM ON EJACULATE CHARACTERISTICS AND LIBIDO DURING THE MATING PERIOD

ALLISON A J
INVERMAY AGRIC. RES. CENT., MINIST. AGRIC. FISII., PRIV. BAG,
MOSGIEL, N.Z.N Z J AGRIC RES 21 (2), 1978 187-196. Coden: NEZFA,
Language: ENGLISH

Semen characteristics before and during the mating period were recorded in 3 experiments in groups of rams joined with different numbers of ewes. In comparison with pre-joining levels, volume, density and number of sperm per ejaculate had fallen to low levels in ejaculates collected 9 days after joining. These low levels were still evident 17 days after joining and were not systematically smaller with higher numbers of ewes per ram, although they varied from 50-210. Semen characteristics were similar in 2-tooth and 6-tooth rams. Ram libido was recorded in 20 min tests before, during and after the mating period in 2 experiments. The mean number of ejaculates per ram in each test was lower during the mating period than before joining, but was not different in groups joined with different numbers of ewes per ram.

Descriptors: SEMEN

Concept Codes: ECOLOGY-BIOCLIMATOL,BIOMETEOROL(07504);
REPRODUCT SYST-GENL . STUDS,METHS(+16501); REPRODUCT
SYST-PHYSIOL,BIOCHEM(+16504); ANIMAL PRODUCTN-BREEDS,BREEDING-
(+26506)

Biosystematic Codes: BOVIDAE(85715)

67012291

PHYSICAL AND FUNCTIONAL PROPERTIES OF ADENYLATE CYCLASE FROM MATURE RAT TESTIS

NEER E J
DEP. MED., PETER BENT BRIGHAM HOSP., HARV. MED. SCH.,
BOSTON, MASS. 02115, USA.J BIOL CHEM 253 (16), 1978 5808-5812. Coden: JBCHA
Language: ENGLISH

The mature rat testis contains 2 forms of adenylate cyclase. One is membrane-bound and hormone-responsive. The other is water-soluble and not activated by hormones. The water-soluble adenylate cyclase is a globular protein which is much smaller than the enzyme which is solubilized from membranes of mature rat testis by Triton X-100. Its physical properties are: sedimentation coefficient, 3.8 S; Stokes radius, 34 .ANG.; MW, 56,000; frictional ratio, 1.2. Inclusion of protease inhibitors, during enzyme extraction did not affect the fraction of total enzyme activity which was water-soluble, nor did autolysis for 1 h at 25.degree. C. The physical properties of the membrane-bound adenylate cyclase were determined after solubilization with Triton X-100. In detergent, the values are: sedimentation coefficient, 6.7 S; Stokes radius, 68 .ANG.; partial specific volume, 0.73 ml/g; MW, 191,000; frictional ratio, 1.6. The fact that the partial specific volume of the enzyme in detergent is the same as that of a typical water-soluble protein shows that the Triton

X-100-solubilized enzyme does not bind a large quantity of detergent. It apparently does not have extensive hydrophobic regions on its surface. The detergent-solubilized adenylate cyclase of the mature rat testis is similar in this respect to adenylate cyclase solubilized from the rat renal medulla.

Descriptors: MEMBRANE BOUND WATER SOLUBLE FORMS STOKES
RATIO FRICTIONAL RATIO

Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(02506); BIOCHEM
STUD-GENERAL(10060); BIOCHEM STUD-PROTEINS,PEPTIDES,AMINO-
ACD(10064); BIOCHEM STUD-LIPIDS(10066); BIOPHYS-GENERAL
BIOPHYS TECH(10504); BIOPHYS-MOLECUL PROP,MACROMOLEC(10506);
BIOPHYS-MEMBRANE PHENOMENA(10508); ENZYMES-METHODS(10804);
ENZYMES-CHEM,PHYSICAL STUDIES(+10806); ENZYMES-PHYSIOLOGICAL
STUDIES(+10808); MOVEMENT(12100); METABOLISM-PROTNS,PEPTDS,AM
ACDS(+13012); REPRODUCT SYST-GENL STUDS,METHS(16501);
REPRODUCT SYST-PHYSIOL,BIOCHEM(+16504)

Biosystematic Codes: MURIDAE(86375)

67012272

ENDOMETRIAL BIOPSY AS AN AID TO DIAGNOSIS AND PROGNOSIS IN EQUINE INFERTILITY

GORDON L R; SARTIN E M

DEP. VET. PATHOL., OKLA. STATE UNIV., STILLWATER, OKLA.
74074, USA.J EQUINE MED SURG 2 (7-8), 1978 328-336. Coden: JEMSD
Language: ENGLISH

Endometrial biopsies from 200 mares were examined. Most mares could apparently conceive and foal after some appropriate therapy. Decreased reproductive performance was most commonly correlated with advancing age, poor perineal conformation, increased number of years barren, and history of abortion, as well as moderate to severe fibrosis of the endometrium. A high degree of accuracy of prediction of the reproductive performance was achieved.

Descriptors: HORSE ABORTION FIBROSIS

Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(02506); ECOLOGY-ANI-
MAL(07508); ANATOMY/HISTOL-MICRO,ULTRAMICRSC(+11108); PATHOLO-
GY-DIAGNOSTIC(12504); PATHOLOGY-THERAPY(12512); REPRODUCT
SYST-ANATOMY(16502); REPRODUCT SYST-PHYSIOL,BIOCHEM(16504);
REPRODUCT SYST-PATHOLOGY(+16506); MUSCLE SYST-PATHOLOGY(17506)
; GERONTOLOGY(24500); DEVELOPMNTL BIOL-PATHOLOGICAL(25503);
ANIMAL PRODUCTN-BREEDS,BREEDING(26506); VETERINARY SCI-PATHOL-
OGY(+38004)

Biosystematic Codes: EQUIDAE(86145)

67006519

EFFECT OF MULCHING AND KAOLIN FOLIAR SPRAY ON MUNG VIGNA-RADIATA RAPESEED BRASSICA-CAMPESTRIS DOUBLE CROPPING SYSTEM UNDER RAINFED CONDITIONS

DE R; GIRI G
DIV. AGRON., INDIAN AFRIC. RES. INST., NEW DELHI 110012, DELHI, INDIA.

J AGRIC SCI 91 (1). 1978 191-198. Coden: JASIA
Language: ENGLISH

An experiment was made at the Indian Agricultural Research Institute, New Delhi for 4 yr under semi-arid seasonally dry tropical conditions to explore the possibilities of double cropping in the traditionally monocropped areas. Use of straw mulch did not increase mung yield in the monsoon season with well-distributed rainfall but increased its yield in a year when the monsoon receded early. Irrespective of rainfall pattern, mulching helped conserve enough moisture in the top 30 cm of soil to enable germination and quick establishment of the rapeseed crop. Mulching continued in the rapeseed crop conserved soil moisture until the flowering stage and increased the yield of rapeseed by 23%. Kaolin, a reflectant material applied at the preflowering stage, also increased seed yield of rapeseed.

Descriptors: INDIA ANTI TRANSPIRANT SOIL MOISTURE

Concept Codes: ECOLOGY-BIOCLIMATOL, BIOMETEOROL(07504); ECOLOGY-WATR RESRCH, FISHERY BIOL(07517); BIOCHEM STUD-GENERAL-(10060); PLANT PHYSIOL-WATER RELATIONS(+51502); PLANT PHYSIOL-GROWTH, DIFFERENTIAT(+51510); PLANT PHYSIOL-REPRODUCTION-(+51512); AGRONOMY-GENL, MISC, MIXED CROPS(+52502); AGRONOMY-OIL CROPS(+52514); SOIL SCI-FERTILITY, APPLIED STUOS(+52807); HORTICULT-VEGETABLES(+53008)

Biosystematic Codes: CRUCIFERAE(25880); LEGUMINOSAE(26260)

52108716 unavailable

52104391 unavailable

52093119 unavailable

17045521

SOME FEATURES OF STAPHYLOCOCCUS-AUREUS-VAR-BOVIS

DANILENKO I P

VETERINARIYA (MOSC) (1). 1978 79-82 Coden: VETNA

Descriptors: HUMAN CATTLE DOG CHICKEN RABBIT HORSE HEMOLYTIC PROPERTY

Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(02506); CYTOLOGY/CYTOCHEM-HUMAN(02508); BLOOD/BODY FLDS-BLOOD CELL STUOS(15004); MED/CLIN MICROBIOL-BACTERIOLOGY(+36002); VETERINARY SCI-PATHOLOGY(38004); VETERINARY SCI-MICROBIOLOGY(+38006)

Biosystematic Codes: GALLIFORMES(85536); BOVIDAE(85715);

CANIDAE(85765); EQUIDAE(86145); HOMINIDAE(86215)

17039943

ANALYSIS OF THE FINE STRUCTURE OF CRYSTALLOID IN YEAST MICROBODIES BY OPTICAL DIFFRACTION AND FILTERING METHOD

SATO M; OSUMI M

J ELECTRON MICROSC 27 (4). 1978 (RECD 1979) 382 Coden: JELJA

Descriptors: ABSTRACT KLOECKERA-SP CATALASE ALCOHOL OXIDASE CYTOCHEMISTRY

Concept Codes: MICROSCOPY-CYTOLOG, CYTOCHEM TECH(+01054); CYTOLOGY/CYTOCHEM-PLANT(+02504); BIOCHEM STUD-PROTEINS, PEPTIDES, AMINO ACD(10064); ENZYMES-CHEM, PHYSICAL STUDIES(+10806); PLANT MORPHOL, EMBRYOL, ANATOMY(+51000); PLANT PHYSIOL-ENZYMES(+51518)

Biosystematic Codes: DEUTEROMYCETES(15500)

17039632

IN-VITRO INDUCTION OF CELL MEDIATED CYTO TOXICITY TO MURINE LEUKEMIA CELLS POTENTIATION OF THE INDUCTION AND EXPRESSION OF CYTO TOXIC ACTIVITY BY A VARIETY OF MEANS

KEDAR E; LUPU T; AVRAHAM Y; SCHWARTZBACH M

ISR J MED SCI 15 (2). 1979 184 Coden: IJMDA

Descriptors: ABSTRACT THYMUS DERIVED CELLS CYCLO PHOSPHAMIDE HYDROCORTISONE IMMUNOLOGIC-DRUG

Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(02506); BIOCHEM STUD-GENERAL(10060); BIOCHEM STUD-STEROLS, STEROIDS(10067); BLOOD/BODY FLDS-BLD, LYM, RES PATH(+15006); BLOOD/BODY FLDS-LYMPHAT TISS, RES(+15008); ENDOCRINE SYST-ADRENALS(17004); ENDOCRINE SYST-THYMUS(+17016); PHARMACOL-ENDOCRINE SYST(22016); PHARMACOL-IMMUNO PROCES, ALLERGY(+22018); TOXICOL-GENL/EXP STUOS, METHS(22501); NEOPLSMS/NEOPL AGNTS-IMMUNOLOGY(+24003); NEOPLSMS/NEOPL AGNTS-THERAP, AGNT(24008); NEOPLSMS/NEOPL AGNTS-BLOOD, RES(+24010); TISS CULTURE-APPARAT, METHS, MEDIA(32500); IMMUNOL/IMMUNOCHEM-IMMUNOPATHOL(+34508); CHEMOTHERAPY-GEN STUD, METH, METAB(38502)

Biosystematic Codes: MURIDAE(86375)

17030126

BIOSYNTHESIS AND RELEASE OF ESCHERICHIA-COLI HEAT LABILE ENTERO TOXIN STIMULATION BY LINCOMYCIN

LOCKWOOD D E; RICHARDSON S H

ABSTR ANNU MEET AM SOC MICROBIOL (79). 1979 21 Coden: ASMAC

Descriptors: ABSTRACT LINCOMYCIN METABOLIC-DRUG ANTIBACTERIAL-DRUG

Concept Codes: BIOCHEM STUD-PROTEINS, PEPTIDES, AMINO ACD(10064); BIOCHEM STUD-CARBOHYDR.(10068); METABOLISM-PROTNS-PEPTDS,AM ACDS(+13012); PHARMACOL-DRUG METAB,METAB STIMU(+22003); TOXICOL-GENL/EXP STUDS,METHS(+22501); MED/CLIN MICROBIOL-BACTERIOLOGY(+36002); CHEMOTHERAPY-GEN STUD,METH,ME-TAB(+38502)

Biosystematic Codes: ENTEROBACTERIACEAE(04810)

17016336

CHANGES OF RED CELL AND LIPO PROTEIN LIPID COMPOSITION AFTER POLY UNSATURATED PHOSPHATIDYL CHOLINE INFUSION IN PATIENTS WITH LIVER CIRRHOSIS

SALVIOLI G

CARLSON, LARS A. ET AL. (ED.). INTERNATIONAL CONFERENCE ON ATHEROSCLEROSIS. MILAN, ITALY, NOV. 1977. XXXIV+762P. ILLUS. RAVEN PRESS: NEW YORK, N.Y., USA. ISBN 0-89004-267-5. 1978 545-551 Coden: 07157

Descriptors: METABOLIC-DRUG MEMBRANE SHAPE CHOLESTEROL

Concept Codes: CYTOLOGY/CYTOCHEM-HUMAN(02508); BIOCHEM STUD-PROTEINS, PEPTIDES, AMINO ACD(10064); BIOCHEM STUD-LIPIDS(-10066); BIOCHEM STUD-STEROLS, STERIODS(10067); BIOPHYS-MEMBRANE PHENOMENA(+10508); PATHOLOGY-THERAPY(12512); METABOLISM-LIPIDS(+13006); METABOLISM-STEROLS, STERIODS(+13008); METABOLISM-PROTNS, PEPTDS,AM ACDS(13012); DIGESTIVE SYST-PATHOLOGY(+14006); BLOOD/BODY FLDS-BLOOD CELL STUDS(+15004); PHARMACOL-DRUG METAB,METAB STIMU(+22003); PHARMACOL-CLINICAL PHARMACOL(22005)

Biosystematic Codes: HOMINIDAE(86215)

17016328

TREATMENT OF TYPE IIA HYPER CHOLESTEROLEMIA WITH PORTA CAVAL SHUNT

FARRIAUX J P; RIBET M

CARLSON, LARS A. ET AL. (ED.). INTERNATIONAL CONFERENCE ON ATHEROSCLEROSIS. MILAN, ITALY, NOV. 1977. XXXIV+762P. ILLUS. RAVEN PRESS: NEW YORK, N.Y., USA. ISBN 0-89004-267-5. 1978 497-501 Coden: 07157

Descriptors: HUMAN

Concept Codes: GENETICS/CYTOGENET-HUMAN(03508); BIOCHEM STUD-LIPIDS(10066); BIOCHEM STUD-STEROLS, STERIODS(10067); ANATOMY/HISTOL-SURGERY(11105); PATHOLOGY-THERAPY(12512); METABOLISM-LIPIDS(+13006); METABOLISM-STEROLS, STERIODS(+13008); METABOLISM-METABOLIC DISORDERS(+13020); DIGESTIVE SYST-GENL STUDS,METHS(+14001)

Biosystematic Codes: HOMINIDAE(86215)

17016313

HYPER LIPO PROTEINEMIA AND THE NATURE SITUATION AND PROGNOSIS IN PERIPHERAL ARTERIAL DISEASE

GREENHALGH R M

CARLSON, LARS A. ET AL. (ED.). INTERNATIONAL CONFERENCE ON ATHEROSCLEROSIS. MILAN, ITALY, NOV. 1977. XXXIV+762P. ILLUS. RAVEN PRESS: NEW YORK, N.Y., USA. ISBN 0-89004-267-5. 1978 393-396 Coden: 07157

Descriptors: HUMAN ARTERIAL RECONSTRUCTION

Concept Codes: GENETICS/CYTOGENET-HUMAN(03508); BIOCHEM STUD-LIPIDS(10066); BIOCHEM STUD-STEROLS, STERIODS(10067); ANATOMY/HISTOL-SURGERY(11105); CHORDATE BODY REGNS-EXTREMITIES(11318); PATHOLOGY-THERAPY(12512); METABOLISM-LIPIDS(+13006); METABOLISM-STEROLS, STERIODS(+13008); METABOLISM-METABOLIC DISORDERS(+13020); CARDIOVASC SYST-GENL STUDS,METHS(14501); CARDIOVASC SYST-BLD VESS PATHOL(+14508)

Biosystematic Codes: HOMINIDAE(86215)

17016294

SERUM TOTAL LIPIDS LIPO PROTEIN CHOLESTEROL AND APO LIPO PROTEIN A IN ACUTE VIRAL HEPATITIS AND CHRONIC LIVER DISEASE

VERGANI C; DI GUARDI N

CARLSON, LARS A. ET AL. (ED.). INTERNATIONAL CONFERENCE ON ATHEROSCLEROSIS. MILAN, ITALY, NOV. 1977. XXXIV+762P. ILLUS. RAVEN PRESS: NEW YORK, N.Y., USA. ISBN 0-89004-267-5. 1978 283-289 Coden: 07157

Descriptors: HUMAN LECITHIN CHOLESTEROL ACYL TRANSFERASE

Concept Codes: BIOCHEM STUD-PROTEINS, PEPTIDES, AMINO ACD(10064); BIOCHEM STUD-LIPIDS(10066); BIOCHEM STUD-STEROLS, STERIODS(10067); ENZYMES-PHYSIOLOGICAL STUDIES(+10808); PATHOLOGY-INFLAMMATN, INFLAM DIS(12508); METABOLISM-LIPIDS(+13006); METABOLISM-STEROLS, STERIODS(+13008); METABOLISM-PROTNS, PEPTDS,AM ACDS(13012); DIGESTIVE SYST-PATHOLOGY(+14006); BLOOD/BODY FLDS-BLOOD, LYMPH STUD(+15002); MED/CLIN MICROBIOL-VIROLOGY(+36006)

Biosystematic Codes: ANIMAL VIRUSES-UNSPECIFIED(02200); HOMINIDAE(86215)

17014669

THE VALUE OF RESTING AND POST EXERCISE ELECTRO CARDIOGRAPH
IN THE PREDICTION OF CORONARY HEART DISEASE MORBIDITY AND
MORTALITY

PYORALA K; REUNANEN A; PUNSAR S; AROMAA A; SILTANEN P
KORNREICH, FRED (ED.). ADVANCES IN CARDIOLOGY, VOL. 21.
ELECTROCARDIOLOGY III. THIRD INTERNATIONAL CONGRESS. 17TH
INTERNATIONAL SYMPOSIUM ON VECTORCARDIOGRAPHY. BRUSSELS,
BELGIUM, JUNE 28-30, 1976. XIII+348P. ILLUS. S. KARGER: BASEL,
SWITZERLAND; NEW YORK, N.Y., USA. ISBN 3-8055-2650-4. 1978
335-336 Coden: 06568

Descriptors: ABSTRACT HUMAN HELSINKI FINLAND POLICEMEN STUDY
Concept Codes: SOCIAL BIOL/HUMAN ECOLOGY(05500);
BIOPHYS-GENERAL BIOPHYS TECH(10504); PHYSIOLOGY-EXERCISE,PHYS
THERAP(+12010); MOVEMENT(12100); PATHOLOGY-DIAGNOSTIC(12504);
PATHOLOGY-NECROSIS(12510); CARDIOVASC SYST-GENL STUDS,METHS(+
14501); CARDIOVASC SYST-HEART PATHOLOGY(+14506); CARDIOVASC
SYST-BLD VESS PATHOL(+14508); PUB HEALTH-ADMINISTR,STATISTICS-
(37010); ENVIRON HEALTH-OCCUPATNL HEALTH(37013); EPIDEMIOL-OR-
GANIC DIS,NEOPLASMS(+37054)

Biosystematic Codes: HOMINIDAE(86215)

17009947

LITHIUM IN THE TREATMENT OF AFFECTIVE DISORDERS

PRIEN R F

KLAWANS, HAROLD L. (ED.). CLINICAL NEUROPHARMACOLOGY, VOL.
3. X+211P. RAVEN PRESS: NEW YORK, N.Y., USA. ISBN
089004-266-7. 1978 113-131 Coden: 06723

Descriptors: HUMAN MANIA DEPRESSION PHARMACO KINETICS
TOXICITY

Concept Codes: BEHAVIOR BIOL-HUMAN BEHAVIOR(07004);
MINERALS(10069); PATHOLOGY-THERAPY(12512); NERVOUS SYST-PATHO-
LOGY(+20506); PSYCHIATRY-PSYCHOPATH-DYMN,THERAP(+21002); PHARM-
ACOL-DRUG METAB,METAB STIMU(+22003); PHARMACOL-CLINICAL
PHARMACOL(22005); PHARMACOL-NEUROPHARMACOLOGY(+22024); PHARMA-
COL-PSYCHOPHARMACOLOGY(+22026); ROUTES OF IMMUNIZ,INFECT,THER-
AP(22100); TOXICOL-PHARMACOLOGICAL(+22504)

Biosystematic Codes: HOMINIDAE(86215)

17006741

TECHNIQUE A SIMPLE HUMIDITY CHAMBER FOR GERMINATING SPORES

OMAR M B; HEATHER W A

BULL BR MYCOL SOC 12 (2). 1978 128-129 Coden: BMYBA

Descriptors: FUNGI

Concept Codes: PALYNOLOGY(50100); PLANT PHYSIOL-REPRODUCTIO-
N(+51512); PLANT PHYSIOL-APPARATUS,METHODS(+51524)

Biosystematic Codes: FUNGI-UNSPECIFIED(15000)

17001277

ROLE OF THE PHOSPHO MANNOSE RECOGNITION MARKER IN THE
TAKE AND TRANSPORT OF LYSOSOMAL ENZYMES

SILV W S; GONZALEZ-MORFEGA A; MATOMIYAZ M; FISCHER H D

CHAMBERS J P

FED PROC 38 (3 PART 1). 1979 467 Coden: FEPR

Descriptors: ABSTRACT HUMAN 1 CELL FIBROBLASTS

Concept Codes: CYTOLOGY/CYTOCHEM-HUMAN(+02508); GENETICS/CY-
TOGENET-HUMAN(03508); BIOCHEM STUD-LIPIDS(10066); BIOCHEM
STUD-CARBOHYDR.(10068); ENZYMES-PHYSIOLOGICAL STUDIES(+10808);
METABOLISM-CARBOHYDRATES(+13004); METABOLISM-LIPIDS(13006);
METABOLISM-PROTNS,PEPTDS,AM ACDS(13012); METABOLISM-METABOLIC
DISORDERS(+13020); BONE,JNTS,FASC,CONN/ADIP-PHY,BCH(+18004);
DEVELOPMNTL BIOL-PATHOLOGICAL(25503); TISS CULTURE-APPARAT,ME-
THS,MEDIA(32500); IN VITRO STUDS-CELLULR,SUBCELL(32600)

Biosystematic Codes: HOMINIDAE(86215)

52023230 unavailable

52023141 unavailable

16059183

EARLY PRIMARY POST OPERATIVE AND POST TRAUMATIC JAUNDICE 15
CASES

LAVENAC G; MAMBRINI A; MAI VAN DAU C

QUEST MED 31 (15/16). 1978 987-993 Coden: OUMDB

Descriptors: HUMAN SEPTICEMIA VIRAL HEPATITIS ANESTHETICS
ANTIBIOTICS GASTROINTESTINAL-DRUG

Concept Codes: GENETICS/CYTOGENET-SEX DIFFERENC(03510);
BIOCHEM STUD-GENERAL(10060); BIOCHEM STUD-PORPHYRINS,BILE
PIGM(10065); ANATOMY/HISTOL-SURGERY(11105); PATHOLOGY-INFLAMM-
ATN,INFLAM DIS(12508); PATHOLOGY-THERAPY(12512); METABOLISM-P-
ORPHYRINS,BILE PIGMN(+13013); METABOLISM-METABOLIC DISORDERS(+
13020); DIGESTIVE SYST-GENL STUDS,METHS(+14001); DIGESTIVE
SYST-PATHOLOGY(+14006); NERVOUS SYST-GENL STUDS,METHS(20501);
PHARMACOL-DIGESTIVE SYST(+22014); DEVELOPMNTL BIOL-GEN
MORPHOGENESIS(25508); VIROLOGY-ANIMAL HOST VIRUSES(33506);
MED/CLIN MICROBIOL-BACTERIOLOGY(36002); MED/CLIN MICROBIOL-VI-
ROLOGY(36006); CHEMOTHERAPY-GEN STUD,METH,METAB(38502)

Biosystematic Codes: ANIMAL VIRUSES-UNSPECIFIED(02200);
BACTERIA-UNSPECIFIED(04000); HOMINIDAE(86215)

16058019

ENDO TOXIN AND THE LIVER

MUNFORD R S

GASTROENTEROLOGY 75 (3). 1978 532-535 Coden: GASTA

Descriptors: HUMAN GRAM NEGATIVE BACTERIA

Concept Codes: BIOCHEM STUD-LIPIDS(10066); BIOCHEM STUD-CARBOHYDR.(10068); DIGESTIVE SYST-GENL STUDS,METHS(14001); DIGESTIVE SYST-PATHOLOGY(+14006); TOXICOL-GENL/EXP STUDS,METHS(+22501); BACTERIA-PHYSIOLOGY,BIOCHEMISTRY(31000); MICROBIOLOG APPARAT,METHS,MEDIA(32000); MED/CLIN MICROBIOL-BACTERIOLOGY(+36002)

Biosystematic Codes: BACTERIA-UNSPECIFIED(04000)

16046215

OXYGEN UPTAKE AND BLOOD LACTATE IN MAN DURING MILD EXERCISE AT ALTITUDE

BLATTEIS C M

FOLINSBEE, LAWRENCE J. ET AL (ED.). ENVIRONMENTAL STRESS. INDIVIDUAL HUMAN ADAPTATIONS. PROCEEDINGS OF A SYMPOSIUM. SANTA BARBARA, CALIF., USA. AUG. 31-SEPT. 3, 1977. XIV+393P. ILLUS. ACADEMIC PRESS, INC.: NEW YORK, N.Y., USA. ISBN 0-12-261350-3. 1978 351-371 Coden: 06914

Descriptors: GLUCOSE METABOLISM HEART RATE

Concept Codes: AEROSP/UNORWATR BIOL-PHYSIOL,MED(+06006); BIOCHEM-GASES(+10012); BIOCHEM STUD-GENERAL(10060); BIOCHEM STUD-CARBOHYDR.(10068); PHYSIOLOGY-EXERCISE,PHYS THERAP(+12010); MOVEMENT(12100); METABOLISM-ENERGY,RESPIRATION(+13003); METABOLISM-CARBOHYDRATES(+13004); CARDIOVASC SYST-PHYSIOL,BIOCHEM(14504)

Biosystematic Codes: HOMINIDAE(86215)

16041424

MAGNITUDE ESTIMATION OF INSPIRATORY RESISTIVE LOADS BY HUMAN SUBJECTS

WILEY R L; ZECHMAN F W; PARKER D E; KOSATER L J

PHYSIOLOGIST 21 (4). 1978 128 Coden: PYSDA

Descriptors: ABSTRACT AUDITION VISUAL PERCEPTION

Concept Codes: MATHEMATIC BIOL/STATISTIC METH(04500); BEHAVIOR BIOL-HUMAN BEHAVIOR(07004); RESPIRATORY SYST-GENL STUD,METHS(+16001); RESPIRATORY SYST-PHYSIOL,BIOCHEM(+16004); SENSE ORGANS-GENL STUDS,METHS(20001); SENSE ORGANS-PHYSIOL,BIOCHEM(20004); NERVOUS SYST-PHYSIOL,BIOCHEM(20504); PSYCHIATRY-PSYCHOPHYSIOLOGY(21003)

Biosystematic Codes: HOMINIDAE(86215)

16018546

STUDIES ON THE METABOLIC ACTIVITIES OF A NEWLY ISOLATED NITROGEN FIXING BLUE-GREEN ALGAE

OSMAN S A; SALEM H M; EL-REFAI A H; NASHAT M A

PAK J BIOCHEM 9 (2). 1976 (RECD 1978) 77-80 Coden: PJBIA

Descriptors: CALOTHRIX-SP BACTERIA-FREE CULTURE ATMOSPHERIC NITROGEN FIXING GROWTH

Concept Codes: RADIATION BIOL-RADTN EFF,PROTECT(06506); ECOLOGY-WATR RESRCH,FISHERY BIOL(07517); BIOCHEM-GASES(10012); MINERALS(10069); MINERALS(+13010); MICROBIOLOG APPARAT,METHS,-MEDIA(32000); PLANT PHYSIOL-GROWTH,DIFFERENTIAT(+51510); PLANT PHYSIOL-LIGHT,RADIATN EFFS(51516); PLANT PHYSIOL-METABOLISM(+51519); PLANT PHYSIOL-APPARATUS,METHODS(51524)

Biosystematic Codes: BACTERIA-UNSPECIFIED(04000); CYANOPHYT-A(13900)

16009952

A FLOW CYTO FLUOROMETRIC ASSAY FOR CELLULAR ESTERASES IN POPULATIONS OF SINGLE CELLS

CHAMBERS S H; WORKMAN P; WATSON J V; BLEEHEEN N M

BR J CANCER 38 (1). 1978 188 Coden: BJCAA

Descriptors: ABSTRACT MOUSE EMT-6 MAMMARY TUMOR CELLS SPECTRO FLUOROMETRY CHLORAMBUCIL METABOLIC-DRUG

Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(+02506); BIOCHEM METH-PROTNS,PEPTOS,AM AC(10054); BIOCHEM STUD-PROTEINS,PEPTIDES,AMINO ACID(10064); BIOPHYS-GENERAL BIOPHYS TECH(10504); ENZYMES-METHODS(10804); ENZYMES-PHYSIOLOGICAL STUDIES(+10808); MOVEMENT(12100); REPRODUCT SYST-PATHOLOGY(+16506); PHARMACOL--DRUG METAB,METAB STIMU(+22003); NEOPLSMS/NEOPL AGNTS-CELL LINE(+24005); NEOPLSMS/NEOPL AGNTS-BIOCHEM(+24006); TISS CULTURE-APPARAT,METHS,MEDIA(32500)

Biosystematic Codes: MURIDAE(86375)

16000108

NEURO PHYSIOLOGICAL CORRELATES OF SENSORY DISCRIMINATION PERFORMANCE TO ELECTRICAL CUTANEOUS STIMULI IN RHESUS MONKEY

KULICS A T; LINEBERRY C G; ROPPOLO J R

BRAIN RES 136 (2). 1977 360-365 Coden: BRREA

Descriptors: PSYCHO PHYSIOLOGY

Concept Codes: BEHAVIOR BIOL-ANIMAL BEHAVIOR(07003); BEHAVIOR BIOL-CONDITIONING(07005); BIOPHYS-GENERAL BIOPHYS TECH(10504); EXTERN EFF-ELECTR,MAGNET,GRAVITY(10610); INTEGUMENT SYST-PHYSIOL,BIOCHEM(18504); SENSE ORGANS-GENL STUDS,METHS(20001); SENSE ORGANS-PHYSIOL,BIOCHEM(+20004); NERVOUS SYST-GENL STUDS,METHS(20501); NERVOUS SYST-PHYSIOL,BIOCHEM(+20504); PSYCHIATRY-PSYCHOPHYSIOLOGY(+21003)

Biosystematic Codes: CERCOPITHECIDAE(86205) 1e

71062285 unavailable

66064740

SEQUENCE ORGANIZATION OF A CLONED METHIONINE TRANSFER RNA ISO ACCEPTOR 1 FRAGMENT FROM XENOPUS-LAEVIS

CLARKSON S G; KURER V; SMITH H O
INST. MOLEKULARBIOL. II, UNIV. ZUER., WINTERTHURSTR. 266A,
8057 ZUERICH, SWITZ.

CELL 14 (3). 1978 713-724. Coden: CELLB

Language: ENGLISH

X. laevis DNA 3.18 kb fragments coding for .**GRAPHIC** were inserted into a .lambda. vector via Hind III terminal and cloned in Escherichia coli. The organization of one cloned fragment was analyzed by restriction endonuclease digestion and RNA-DNA hybridization. From the distribution of sites for 3 enzymes, this fragment appears to be typical of the majority of X. laevis tandem .**GRAPHIC** repeat units. Evidence is presented to suggest that it contains 2 genes coding for .**GRAPHIC** and at least 1 gene coding for a 2nd as yet unidentified 4S RNA species. The 2 .**GRAPHIC** genes are located on the same DNA strand 0.96 and 1.38 kb from 1 end of the repeat unit. A detailed restriction map for 19 enzymes reveals that the spacers between these genes are not identical, and it provides no indication of short repetitive sequence elements within the spacers.

Descriptors: ESCHERICHIA-COLI PHAGE LAMBDA VECTOR HIN-D-III RESTRICTION ENDO NUCLEASE GENETIC ENGINEERING

Concept Codes: GENETICS/CYTOGENET-ANIMAL(+03506); COMPARATIVE BIOCHEM-GENL STUDIES(10010); BIOCHEM METH-NUCL ACD,PURNS,PYRM(10052); BIOCHEM STUD-NUCL ACD,PURNS,PYRM(+1006-2); BIOCHEM STUD-PROTEINS,PEPTIDES,AMINO ACD(10064); REPLICATN,TRANSCRIPTN,TRANSLATN(+10300); BIOPHYS-MOLECUL PROP.,MACROMOLEC(+10506); ENZYMES-METHODS(10804); METABOLISM-PROTN-S,PEPTDS,AM ACDS(+13012); METABOLISM-NUCL ACD,PURNS,PYRM(+1-3014); BACTERIA-PHYSIOLOGY,BIOCHEMISTRY(31000); BACTERIAL AND VIRAL GENETICS(+31500); MICROBIOLOG APPARAT,METHS,MEDIA(32000); VIROLOGY-BACTERIOPHAGE(33504)

Biosystematic Codes: BACTERIAL VIRUSES(03600); EUBACTERIALES(07200); SALIENTIA(85306)

66049901

A SHORT REVIEW OF TECHNIQUES FOR THE LOCALIZATION OF GAMMA GLUTAMYL TRANSFERASE EC-2.3.2.2 ISO ENZYMES AFTER ELECTROPHORESIS

WENHAM P R; PRICE C P; SAMMONS H G
DEP. CLIN. CHEM., WEST. GEN. HOSP., CREWE RD., EDINBURGH EH4 2XU, SCOTL., UK.

ANN CLIN BIOCHEM 15 (3). 1978 146-150. Coden: ACBOB

Language: ENGLISH

The development of a sensitive method for the localization of [human serum] .gamma.-glutamyl transferase [EC-2.3.2.2] isoenzymes after electrophoresis on various media is described. Recommendations on final conditions are given for optimal concentrations of substrate, acceptor and buffer, and for pH of the reaction mixture. The reaction conditions are compared with other isoenzyme localization techniques previously reported.

Concept Codes: CLIN BIOCHEM-GENL STUDIES(+10006); BIOCHEM METH-PROTNS,PEPTDS,AM AC(10054); BIOCHEM STUD-PROTEINS,PEPTIDES,AMINO ACD(10064); BIOPHYS-GENERAL BIOPHYS TECH(10504); ENZYMES-METHODS(+10804); MOVEMENT(12100); BLOOD/BODY FLDS-BLOOD,LYMPH STUD(+15002)

Biosystematic Codes: HOMINIDAE(86215)

66038298

PULMONARY PHOSPHO LIPID BIOSYNTHESIS AND THE ABILITY OF THE FETAL RABBIT LUNG TO REDUCE CORTISONE TO CORTISOL DURING THE FINAL 10 DAYS OF GESTATION

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LIFE SCI 22 (17). 1978 1517-1524. Coden: LIFSA

Language: ENGLISH

Incubation of fetal lung tissue with 0.2 .mu.M 14C-cortisone revealed a 12-fold increase in the rate of reduction of cortisone to cortisol between days 22-30 of gestation in the rabbit. This increase correlated closely with the increase in rate of incorporation of 14C-choline into total lung lipids during the same period. It was inadequate to relate plasma cortisol concentration alone with rate of lung maturation. The plasma concentration of cortisone and activity of 11.beta.-hydroxysteroid dehydrogenase must be considered in the lung.

Descriptors: HORMONE-DRUG 11-BETA HYDROXY STEROID DEHYDROGENASE

Concept Codes: RADIATION BIOL-RADTN,ISOTOP TECH(06504); BIOCHEM STUD-PROTEINS,PEPTIDES,AMINO ACD(10064); BIOCHEM STUD-STEROLS,STERIODS(10067); ENZYMES-PHYSIOLOGICAL STUDIES(1-0808); METABOLISM-LIPIDS(+13006); METABOLISM-STEROLS,STERIODS(+13008); BLOOD/BODY FLDS-BLOOD,LYMPH STUD(15002); RESPIRATORY SYST-PHYSIOL,BIOCHEM(+16004); ENDOCRINE SYST-ADRENALS(+17004); PHARMACOL-DRUG METAB,METAB STIMU(22003); PHARMACOL-ENDOCRINE SYST(+22016); DEVELOPMNTL BIOL-EXPERIMENTAL(+25504); DEVELOPMNTL BIOL-GEN MORPHGENSIS(+25508)

Biosystematic Codes: LEPORIDAE(86040)

DIALOG 155: BIOSIS Previews - 1969 thru 1976 (Copr. Biological Abstracts Inc.) (Item 393 of 433) User 3614 25Jan83 1967

66027923

CARBOHYDRATE FERMENTATION BY THE RUMEN CILIATE DASYTRICHA-RUMINANTUM

VAN HOVEN W; PRINS R A

DEP. ZOOL., UNIV. PRETORIA, PRETORIA, S. AFR.

PROTISTOLOGICA 13 (4). 1977 (RECD 1978) 599-606. Coden: PROT8

Language: ENGLISH

The fermentation of several soluble carbohydrates by the rumen ciliate *D. ruminantium* was studied in short-term experiments. Cellobiose, galactose, raffinose, glucose, fructose, sucrose and maltose were used most rapidly, while pectin was fermented at a lower rate. H_2 , CO_2 , acetate, butyrate, lactate and the storage polysaccharide amylopectin were the major products of carbohydrate metabolism under the conditions employed. The rates of production of acetate, amylopectin and lactate were increased by increasing the concentration of added carbohydrates. At higher fermentation rates formate was also an end-product of sugar fermentation. The maximum rate of amylopectin storage was 130 pmol of amylopectin-hexose/cell per h. No lysis of the cells was observed as a direct result of storage, but the intracellular accumulation of acidic end-products, particularly lactic acid, may be responsible for lysis upon prolonged incubation in sugar-containing media. The maximum rate of endogenous amylopectin breakdown observed (12 pmol amylopectin-hexose/cell per h) contributed 0.6-3% of the acids formed in the rumen. This rate of amylopectin fermentation fell markedly during starvation of the cells.

Descriptors: CELLOBIOSE GALACTOSE RAFFINOSE GLUCOSE FRUCTOSE SUCROSE MALTOSE AMYLO PECTIN HEXOSE CARBON DIOXIDE ACETATE BUTYRATE LACTATE GLYCOLYSIS STARVATION

Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(02506); ECOLOGY-ANIMAL(07508); BIOCHEM-GASES(10012); BIOCHEM STUD-CARBOHYDR.(100-68); BIOPHYS-MEMBRANE PHENOMENA(10508); METABOLISM-ENERGY, RESPIRATION(+13003); METABOLISM-CARBOHYDRATES(+13004); NUTRITION-MALNUTRITION, OBESITY(13203); DIGESTIVE SYST-PHYSIOL, BIOCHEM(-14004); RESPIRATORY SYST-PHYSIOL, BIOCHEM(+16004); INVERTIB PHYSIOL-PROTOZOA(+64002)

Biosystematic Codes: CILIATA(35100)

Concept Codes: PHOTOGRAPHY-METHS, MATLS, APPARAT(01012); RADIATION BIOL-RADTN, ISOTOP TECH(06504); BIOPHYS-BIOENGINEERING(+10511); ANATOMY/HISTOL-EXPERIMENTAL(+11104); ANATOMY/HISTOL-RADIOLOGIC(11106); CHORDATE BODY REGNS-SHOULDER(+11309); BONE, JNTS, FASC, CONN/ADIP-GENL(+18001)

Biosystematic Codes: PONGIDAE(86235)

66002314

STOCHASTIC MODEL OF LINEAR CONTINUOUS PROTEIN SYNTHESIS IN BACTERIAL POPULATIONS

RIGNEY D R; SCHIEVE W C

SERV. CHIM PHYS. II, UNIV. LIBRE BRUX., CP 231, CAMPUS PLAINE, BRUXELLES, BELG.

J THEOR BIOL 69 (4). 1977 (RECD 1978) 761-766. Coden: JTBIA

Language: ENGLISH

A type of model is suggested which predicts linearity in the average production rate of proteins as gene products, but which also allows individual cells, from which the average is constructed, to show fluctuations in their individual rates of synthesis.

Descriptors: GENE PRODUCT

Concept Codes: 10064; +10300; +13012; +13014; +13100; +13100; +13100; +13100; +13100

Biosystematic Codes: 06000

51125365 unavailable

66006682

SHOULDER REPLACEMENT IN THE CHIMPANZEE SURGICAL AND POST OPERATIVE MANAGEMENT/

BUECHSEL F F

112 ORANGE AVE., IRVINGTON, N.J. 07111, USA.

J MED PRIMATOL 6 (5). 1977 (RECD 1978) 274-283. Coden: JMPMA

Language: ENGLISH

A modified Floating-Socket total shoulder replacement was implanted in an adult male chimpanzee using an anterior surgical approach. The surgical technique and the post-operative course are described. Clinical and X-ray follow-up for 17 mo. revealed satisfactory function of the implant with no apparent loosening of either glenoid or humeral components.

65073976

FLUIDIZED BED BOILER WASTE AS A SOURCE OF NUTRIENTS AND LIME
TERMAN G L; KILMER V J; HUNT C M; BUCHANAN W
NATL. FERTIL. DEV. CENT., TVA, MUSCLE SHOALS, ALA. 35660,
USA.

J ENVIRON QUAL 7 (1). 1978 147-150. Coden: JEVOA

Language: ENGLISH

The fluidized bed waste (FBW) generated by boilers for steam electric power plants is expected to reach large volumes as new plants are built. It is an anhydrous waste containing substantial amounts of CaSO₄ and unreacted CaO. At moderate rates of application, FBW is satisfactory as a source of S for crops and as a soil liming material. High disposal rates of new waste initially restrict crop growth, apparently because of high alkalinity resulting from the high oxide content of the FBW. On acid Mountview sil, fine (< 0.1 mm) FBW was 47% as effective as fine CaCO₃ over a 5 wk period for increasing soil pH. Coarse (< 3.4 mm) FBW was only 8% as effective as fine CaCO₃, because of less reactivity apparently resulting from its granular nature and CaSO₄ coatings on the granules. On pyritic coal mine spoil, lower liming rates did not affect spoil pH, but at higher rates coarse FBW was 44% as effective as fine CaCO₃ for increasing spoil pH over a 10 mo. period.

Descriptors: CALCIUM CARBONATE CALCIUM SULFATE UNREACTED CALCIUM OXIDE SULFUR COAL MINE SPOIL ALKALINITY CROP GROWTH RESTRICTION

Concept Codes: BIOCHEM STUD-GENERAL(10060); MINERALS(10069); NUTRITION-MALNUTRITION,OBESITY(13203); NUTRITION-MINERALS(13206); TOXICOL-ENVIRONMNTL,INDUSTR(*22506); ENVIRON HEALTH-AIR,WATR,SL POLLN(*37015); PLANT PHYSIOL-NUTRITION(*51504); PLANT PHYSIOL-GROWTH,DIFFERENTIAT(5-1510); AGRONOMY-GENL,MISC,MIXED CROPS(*52502); SOIL SCI-PHYSICS,CHEMISTRY(*52805); SOIL SCI-FERTILITY,APPLIED STUOS(*52807); PHYTOPATHOL-NONPARASITIC DISEASE(*54512)

Biosystematic Codes: ANGIOSPERMAE-UNSPECIFIED(25200)

65054492

POTENT INHIBITORY ACTIVITY OF 8 D LEUCINE 10 DEGLYCINAMIDE LUTEINIZING HORMONE RELEASING HORMONE ETHYL AMIDE ON LUTEINIZING HORMONE HUMAN CHORIONIC GONADOTROPIN AND PROLACTIN TESTICULAR RECEPTOR LEVELS IN THE RAT

AUCLAIR C; KELLY P A; COY D H; SCHALLY A V; LABRIE F
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ENDOCRINOLOGY 101 (6). 1977 1890-1893. Coden: ENDOA

Language: ENGLISH

Injection of male rats with 40-200 ng of [D-Leu⁶, des-Gly-NH²10]LHRH [luteinizing hormone-releasing hormone] ethylamide for 7 days caused a maximal 80% reduction of testicular LH/hCG [human chorionic gonadotropin] receptor level with 1 injection per day being as efficient as 3 daily injections. A similar inhibitory effect was observed on testicular PRL [prolactin] receptors. Testis and seminal vesicle weight and plasma testosterone levels were also significantly reduced by this treatment. A LHRH agonist, when given at a relatively low dose, is capable of reducing testicular LH/hCG and PRL receptor levels and testicular

function, the effect being probably mediated by increased endogenous gonadotropin secretion.

Descriptors: HORMONE-DRUG

Concept Codes: BIOCHEM STUD-PROTEINS,PEPTIDES,AMINO ACD(10064); BIOCHEM STUD-STEROLS,STERIODS(10067); BIOCHEM STUD-CARBOHYDR.(10068); BIOPHYS-MOLECUL PROP,MACROMOLEC(*1050-6); METABOLISM-CARBOHYDRATES(13004); METABOLISM-PROTNS,PEPTDS-AM ACDS(*13012); BLOOD/BODY FLOS-BLOOD,LYMPH STUD(15002); REPRODUCT SYST-PHYSIOL,BIOCHEM(*16504); ENDOCRINE SYST-GONADS-PLACENTA(*17006); ENDOCRINE SYST-PITUITARY(*17014); ENDOCRINE SYST-NEUROENDOCRINOLOG(*17020); PHARMACOL-DRUG METAB,METAB STIMU(22003); PHARMACOL-ENDOCRINE SYST(*22016); PHARMACOL-NEUROPHARMACOLOGY(22024); PHARMACOL-REPRODUCT SYST,IMPLANT(*2202-8)

Biosystematic Codes: HOMINIDAE(86215); MURIDAE(86375)

65038930

PURIFICATION AND PROPERTIES OF A RNASE IN HUMAN URINE THAT HYDROLYSES POLY CYTIDYLIC-ACID

REDDI K K

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PREP BIOCHEM 7 (3-4). 1977 283-299. Coden: PRBCB

Language: ENGLISH

Human urine RNase was purified about 2000 fold. The preparation was free from phosphatase, phosphodiesterase and DNase activities. On electrophoresis through polyacrylamide gel at pH 8.3, it migrated toward the anode and stains with periodic acid-Schiff reagent, suggesting that it was acidic and glycoprotein in nature. Its isoelectric point was at pH 4.1. It had a MW of about 21,500. It was thermostable at pH 4.2 and thermolabile at pH 8.5. It had a pH optimum at 6.5. It exhibited highest preference for cytidine 3'-phosphate linkages. Its activity on poly (C) was endonucleolytic. It cleaved poly (C) via intramolecular transphosphorylation. It had no action on cytidine 2':3'-cyclic phosphate or uridine 2':3'-cyclic phosphate. Its rate of hydrolysis of poly (U) was less than 2% of that of poly (C). Poly (A) and poly (G) are totally inert to its action. Its action on poly (C) was inhibited by poly (G), poly (A) and poly (U). It differed from bovine pancreatic RNase A in its physical, chemical and catalytic properties. It was similar to human serum and pancreatic RNase in all its properties, suggesting that pancreas was its likely source.

Descriptors: BOVINE PANCREAS

Concept Codes: CLIN BIOCHEM-GENL STUDIES(+10006); COMPARATIVE BIOCHEM-GENL STUDIES(10010); BIOCHEM METH-PROTNS.-PEPTDS,AM AC(10054); BIOCHEM STUD-NUCL ACD,PURNS,PYRM(10062); BIOCHEM STUD-PROTEINS,PEPTIDES,AMINO ACD(10064); BIOPHYS-GENERAL BIOPHYS TECH(10504); BIOPHYS-MOLECUL PROP,MACROMOLEC(+10506); ENZYMES-GEN,COMPAR STUD,COENZYS(10802); ENZYMES-METHODS-(10804); ENZYMES-CHEM,PHYSICAL STUDIES(+10806); MOVEMENT(12100); DIGESTIVE SYST-PHYSIOL,BIOCHEM(14004); BLOOD/BODY FLDS-BLOOD,LYMPH STUD(15002); URIN SYST/EXT SECR-PHYSIOL,BIOCHEM(+15504); TEMPERATURE-GENL,METHS(23001)

Biosystematic Codes: HOMINIDAE(86215)

65038909

SUBSTRATE INHIBITION OF THE SODIUM ION POTASSIUM ION ATPASE IN THE PRESENCE OF EXCESS MAGNESIUM II IONS

RIMON G

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BIOCHIM BIOPHYS ACTA 485 (2). 1977 434-445. Coden: BBACA

Language: ENGLISH

High concentrations of ATP inhibit completely the activity of (Na⁺,K⁺)-ATPase (ATP phosphohydrolase, EC 3.6.1.3) prepared from sheep brain. The inhibition depends on the concentration of total ATP, i.e., complexed ATP + free ATP. The inhibition by high ATP concentrations persists in the absence of K⁺, and is then independent of the Na⁺ concentration between 2 and 140 mM Na⁺. Raising the K⁺ concentration at 20 mM Na⁺ increases the ATP concentration required for inhibition.

rate. The Hill number for the inhibition process is about 3. The inhibition by ATP is temperature-dependent, in that as the temperature is increased, higher ATP concentrations are required for inhibition.

Descriptors: SHEEP BRAIN ATP

Concept Codes: BIOCHEM METH-PROTNS,PEPTDS,AM AC(10054); BIOCHEM STUD-NUCL ACD,PURNS,PYRM(10062); BIOCHEM STUD-PROTEIN-S,PEPTIDES,AMINO ACD(10064); MINERALS(10069); BIOPHYS-MOLECUL PROP,MACROMOLEC(+10506); EXTERN EFF-TEMPERATURE(10614); ENZYMES-METHODS(10804); ENZYMES-CHEM,PHYSICAL STUDIES(+10806); NERVOUS SYST-PHYSIOL,BIOCHEM(+20504); TEMPERATURE-GENL,METHS(-23001)

Biosystematic Codes: BOVIDAE(85715)

65009734

EFFECT OF LIGHT AND TEMPERATURE ON HATCHING IN FASCIOLA-HEPATIC TREMATODA FASCIOLIDAE

GOLD D; GOLDBERG M

DEP. HUM. MICROBIOL., SACKLER SCH. MED., TEL AVIV UNIV., TEL AVIV, ISR.

ISR J ZOOL 25 (4). 1976 (RECD 1977) 178-185. Coden: IJZOA

Language: ENGLISH

Hatch rate of *F. hepatica* eggs allowed to develop in the dark at 24 C and 28.degree. C and then illuminated was very low, but marked hatching occurred following illumination at 20.degree. C of eggs previously developed in the dark at 20, 24 or 28.degree. C. Eggs developed in the dark under constant temperature failed to hatch, while eggs subjected to temperature changes of 4.degree. C or more sometimes hatched even in the absence of light. With eggs subjected to temperature changes, hatching was invariably higher on lowering than on raising of the temperature, and under illumination than in the dark. Fastest development of the eggs occurred at 24-28.degree. C, but maximal hatching was at 16-20.degree. C. There were no marked differences in the hatching at various wavelengths of the visible-light spectrum or at different light intensities. These findings suggest that: temperatures above 20.degree. C are not conducive to hatching; while light stimulates greater hatching, temperature changes, especially lowering of the temperature, are the main stimulus for massive hatching and wavelength of the light is of little significance to the hatching.

Descriptors: DEVELOPMENTAL RATE

Concept Codes: EXTERN EFF-LIGHT,DARKNESS(+10604); TEMPERATURE-GENL,METHS(+23001); DEVELOPMNTL BIOL-GENL,DESCRIP-TIVE(+25502); DEVELOPMNTL BIOL-EXPERIMENTAL(+25504); DEVELOPM-NTL BIOL-GEN MORPHOGENESIS(25508); PARASITOLOGY-GENERAL(60502); INVERTB PHYSIOL-PLATYHELMINTHES(+64010)

Biosystematic Codes: TREMATODA(45200)

DIALOG File55: BIOSIS Previews - 1969 thru 1976 (Copr. Biological Abstracts Inc.) (Item 402 of 433) User 3614 25Jan83 1970

65003945

SURFACE PROPERTIES OF HYDROXYLAPATITE PART 1 THE EFFECT OF VARIOUS INORGANIC IONS ON THE ELECTROPHORETIC BEHAVIOR

DOSS S K

CENT. RECH. VALORISATION MINERAIS, EC. NATL. SUPER. GEOL., BP. 452-54001 NANCY CEDEX, FR.

J DENT RES 55 (6). 1976 (RECD 1977) 1067-1075. Coden: JDREA

Language: ENGLISH

The zeta potential of hydroxyapatite (HA) at a constant pH depends on the type of acid used. F⁻ increase the charge density and make the surface less prone to attack by acid or alkali. Sn²⁺ and Th⁴⁺ form ionic complexes with F⁻ and increase the uptake of F⁻ by HA. [F⁻ by themselves have anticaries properties.]

Descriptors: ANTI CARIES AGENT

Concept Codes: BIOCHEM METH-GENERAL(10050); BIOCHEM STUD-GENERAL(+10060); MINERALS(10069); BIOPHYS-GENERAL BIOPHYS TECH(10504); MOVEMENT(12100); DENTAL/ORAL BIOL-PATHOLOGY(+190-06); PHARMACOL-GENERAL STUDIES(+22002); PHARMACOL-INTEGUMENT, DENTAL/ORAL(+22020); MED/CLIN MICROBIOL-GEN,METH,TECH(36001)

Biosystematic Codes: MICROORGANISMS-UNSPECIFIED(01000)

65003823

PRESENT STATE OF ALPHA AND BETA ADRENERGIC DRUGS PART 3 BETA BLOCKING AGENTS

AHLQUIST R P

DEP. PHARMACOL., MED. COLL. GA., 1459 GWINNET ST., AUGUSTA, GA. 30902, USA.

AM HEART J 93 (1). 1977 117-120. Coden: AHJDA

Language: ENGLISH

The beta.-blocking agents [propranolol, sotalol, alprenolol, oxprenolol, pindolol, timolol, practolol, atenolol], valuable drugs in clinical cardiology, are effective in any fast arrhythmia. Together with nitroglycerin, beta.-blockers are drugs of 1st choice in angina. As antihypertensives, they have advantages that should make them drugs of 1st choice. For migraine the beta.-1 blockers are equal to any other type of drug. With more study their place in treating anxiety and other uses will be found. Propranolol and the other beta.-1 blockers are safe and effective. The adverse beta.-1 effects are easily controlled or avoided, are no more frequent than with other drugs and are all reversible. Federal Drug Administration approval of these drugs will greatly enhance the treatment of hypertension for many patients.

Descriptors: HUMAN PROPRANOLOL SOTALOL ALPRENOLOL OXPRENLOL PINDOLOL TIMOLOL PRACTOLOL ATENOLOL NITRO GLYCERIN CARDIO VASC-DRUGS ARRHYTHMIA ANGINA HYPERTENSION ADVERSE EFFECTS

Concept Codes: BEHAVIOR BIOL-HUMAN BEHAVIOR(07004); BIOCHEM STUD-GENERAL(10060); PATHOLOGY-THERAPY(12512); CARDIOVASC SYST-HEART PATHOLOGY(+14506); CARDIOVASC SYST-BLD VESS PATHOL(+14508); NERVOUS SYST-PHYSIOL,BIOCHEM(+20504); NERVOUS SYST-PATHOLOGY(20506); PSYCHIATRY-PSYCHPATH-DYMN,THERAP(21002); PHARMACOL-CLINICAL PHARMACOL(22005); PHARMACOL-CARDIOVASC SYST(+22010); PHARMACOL-NEUROPHARMACOLOGY(+22024); PHARMACOL

PSYCHIOPHARMACOLOGY(22026); TOXICOL-PHARMACOLOGICAL(+22504)
Biosystematic Codes: HOMINIDAE(86215)

65003746

EFFECTS OF SULFINPYRAZONE ON PLATELET PROSTAGLANDIN SYNTHESIS AND PLATELET RELEASE OF SEROTONIN

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J LAB CLIN MED 89 (4). 1977 868-875. Coden: JLCMA

Language: ENGLISH

Sulfinpyrazone added to PRP [platelet rich plasma] inhibited the release of serotonin induced by collagen. The inhibitory effect depended strongly on the strength of the collagen stimulus. Serotonin release was also inhibited (up to 75%) in PRP prepared from subjects who had ingested the drug. This is the 1st demonstration of a direct effect of a sulfinpyrazone in vivo on in vitro tests of platelet function. Prostaglandin synthesis was studied with lysates of washed platelets, arachidonic acid-14C and silicic acid chromatography to isolate a reaction product which was tentatively identified as thromboxane B2. Platelet prostaglandin synthesis strongly inhibited by sulfinpyrazone. Inhibition was competitive with respect to substrate. Effects of sulfinpyrazone on platelet function may be due to inhibition of prostaglandin synthesis. The competitive nature of sulfinpyrazone inhibition may explain why sulfinpyrazone is a strong inhibitor of the release reaction under conditions of dilute collagen stimulation but is weak in the presence of stronger stimuli. In comparing the potency of inhibitors of platelet prostaglandin synthesis the nature of the inhibition must be considered. Competitive inhibition may be incorrectly regarded as weak if studied only at high substrate concentration.

Descriptors: HUMAN COLLAGEN STIMULATION

Concept Codes: RADIATION BIOL-RADTN,ISOTOP TECH(06504); BIOCHEM METH-LIPIDS(10056); BIOCHEM STUD-GENERAL(10060); BIOCHEM STUD-PROTEINS,PEPTIDES,AMINO ACD(10064); BIOCHEM STUD-LIPIDS(10066); BIOPHYS-GENERAL BIOPHYS TECH(10504); MOVEMENT(12100); METABOLISM-LIPIDS(+13006); METABOLISM-PROTNS,PEPTOS,AM ACDS(+13012); ENDOCRINE SYST-GENERAL STUDIES(+1700-2); ENDOCRINE SYST-NEUROENDOCRINOLOG(+17020); BONE,JNTS,FASC,CONN/ADIP-PHY,BCH(18004); NERVOUS SYST-PHYSIOL,BIOCHEM(20504); PHARMACOL-DRUG METAB,METAB STIMU(+22003); PHARMACOL-BLOOD,HEM-ATO AGENTS(+22008)

Biosystematic Codes: HOMINIDAE(86215)

65003423

CHARACTERISTICS OF LIFE HEADACHE HISTORIES IN A NONCLINIC POPULATION

ZIEGLER D K; HASSANEIN R S; COUCH J R
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KANS. 66103, USA.

NEUROLOGY 27 (3). 1977 265-269. Coden: NEURA
Language: ENGLISH

A detailed questionnaire concerning life history of headache and its characteristics was administered to 1809 nonmedical volunteers. Questions dealt with severity of headache, the nature of preceding and accompanying phenomena (nausea, visual scotomata and neurologic symptoms), precipitating factors and history of other illness. For the total sample and in the 25-39 age group, severe or disabling headaches were significantly more frequent in women and mild headaches were significantly more common in men. Migraine characteristics were common with mild headache. An association between hypertension and severe headache was found in women, and there was an association between asthma and severe headache in men.

Descriptors: HUMAN; MIGRAINE CHARACTERISTICS HYPERTENSION ASTHMA

Concept Codes: GENETICS/CYTOGENET-SEX DIFFERENC(03510); CHORDATE BODY REGNS-HEAD(11304); PATHOLOGY-DIAGNOSTIC(12504); DIGESTIVE SYST-PATHOLOGY(14006); CARDIOVASC SYST-BLD VESS PATHOL(14508); RESPIRATORY SYST-PATHOLOGY(16006); SENSE ORGANS-PATHOLOGY(20006); NERVOUS SYST-GENL STUDS.METHS(20501); NERVOUS SYST-PATHOLOGY(+20506)

Biosystematic Codes: HOMINIDAE(86215)

51038122 unavailable

51038005 unavailable

15050038

ON THE ANATOMY AND PHYSIOLOGY OF THE SKIN PART 2 SKIN TENSION

LANGER K

BR J PLAST SURG 31 (2). 1978 93-106 Coden: BJPSA

Descriptors: HUMAN WOUND MARGIN

Concept Codes: BIOPHYS-GENERAL STUDIES(10502); PATHOLOGY-NECROSIS(12510); PATHOLOGY-THERAPY(12512); INTEGUMENT SYST-GENL STUDS.METHS(18501); INTEGUMENT SYST-ANATOMY(+18502); INTEGUMENT SYST-PHYSIOL.BIOCHEM(+18504)

Biosystematic Codes: HOMINIDAE(86215)

INST ENVIRON SCI PROC 22. 1976 (RECD 1977) 424-429
Coden: IESPA

Concept Codes: MATHEMATIC BIOL/STATISTIC METH(+04500); ECOLOGY-BIOCLIMATOL.BIOMETEOROL(+07504); BIOCHEM METH-GENERAL(+10050); BIOCHEM STUD-GENERAL(10060); BIOPHYS-BIOENGINEERING(+10511); BIOPHYS-BIOCYBERNETICS(+10515); TOXICOL-ENVIRONMNTL-INDUSTRI(+22506); ENVIRON HEALTH-AIR,WATR,SL POLLN(+37015)

78004830

EARLY DETECTION OF EMBOLIC PHENOMENA IN DECOMPRESSION SICKNESS EMPHASIS ON NEURO CIRCULATORY AND HEMATOLOGIC ALTERATIONS

COCKETT A T K; ZEHL D N; HAHN P M

UNDERSEA BIOMED RES 4 (1). 1977 A13 Coden: UBMRA

Descriptors: ABSTRACT HUMAN DIVERS HEPARIN HEMATOL-DRUG HYPO VOLEMIC SHOCK LIPID EMBOLUS ISCHEMIA

Concept Codes: AEROSP/UNDRWATR BIOL-PHYSIOL.MED(+06006); ECOLOGY-WATR RESRCH.FISHERY BIOL(07517); BIOCHEM STUD-LIPIDS(+10066); BIOCHEM STUD-CARBOHYDR.(10068); PATHOLOGY-THERAPY(12512); METABOLISM-LIPIDS(+13006); CARDIOVASC SYST-BLD VESS PATHOL(+14508); BLOOD/BODY FLDS-BLD,LYM,RES PATH(+15006); NERVOUS SYST-PATHOLOGY(+20506); PHARMACOL-CLINICAL PHARMACOL(+22005); PHARMACOL-BLOOD,HEMATO AGENTS(+22008)

Biosystematic Codes: HOMINIDAE(86215)

78026153

A STATISTICAL COMPARISON OF 2 STREET CANYON MODELS FOR PREDICTING URBAN TRAFFIC RELATED AIR QUALITY/

64062325

ANTHO CYANINS COLOR AUGMENTATION WITH CATECHIN AND ACETALDEHYDE

TIMBERLAKE C F; BRIDLE P

J SCI FOOD AGRIC 28 (6). 1977 539-544. Coden: JSFAA

Solutions of anthocyanins became more violet and greatly increased in color in the presence of catechin and acetaldehyde at pH 3.5. The color changes were attributed to the formation of a range of highly colored new compounds, some detectable by chromatography and believed to be formed by Baeyer-type condensations. The reaction rates increased with increasing concentration ratio of catechin to anthocyanin. Anthocyanidin 3,5-diglucosides reacted more slowly than 3-glucosides, gave smaller violet shifts and their augmented colors were more stable. A small amount of a new anthocyanin derived from delphinidin 3-glucoside was isolated and its properties examined.

Descriptors: VIOLET CHROMATOGRAPHY 3 5 DI GLUCOSIDES

Concept Codes: COMPARATIVE BIOCHEM-GENL STUDIES(10010); BIOCHEM METH-GENERAL(10050); BIOCHEM STUD-GENERAL(+10060); BIOCHEM STUD-CARBOHYDR(+10068); BIOPHYS-GENERAL BIOPHYS TECH(10504); BIOPHYS-MOLECUL PROP,MACROMOLEC(10506); MOVEMENT-(12100); FOOD TECH-GENL STUDS,METHS(+13502); FOOD TECH-EVALNS PHYS,CHEM PROPS(+13530); FOOD TECH-PREP,PROCESSNG,STORAGE(+13-532); PLANT PHYSIOL-CHEM CONSTITUENTS(+51522)

Biosystematic Codes: ANGIOSPERMAE-UNSPECIFIED(25200)

64023873

THERMAL DECOMPOSITION OF ETHYLENE BIS DI THIO CARBAMATE FUNGICIDES TO ETHYLENE THIO UREA IN AQUEOUS MEDIA

MARSHALL W D

J AGRIC FOOD CHEM 25 (2). 1977 357-361. Coden: JAFCA

The kinetics of thermal decomposition of nabam in aqueous media was investigated. The rate of conversion of the dithiocarbamate to ethylenethiourea (ETU) was influenced by temperature, available O₂ and the pH of the system. Ethylenethiuram monosulfide and .beta.-aminoethyldithiocarbamate but not ethylene diisothiocyanate were confirmed as intermediates in the conversion of nabam to ETU at an elevated temperature. A degradation scheme consistent with the decomposition kinetics is proposed. Parameters which control the conversion of ethylenebisdithiocarbamate [EBDC] fungicides to ETU are discussed. [Preparation of vegetable foods containing EBDC residues by heat treatment constitutes a potential hazard to man.]

Descriptors: HUMAN HEALTH HAZARD FOODS ETHYLENE THIURAM MONO SULFIDE BETA AMINOETHYL DI THIO CARBAMATE ETHYLENE DI ISO THIO CYANATE VEGETABLES HEAT

Concept Codes: BIOCHEM-GASES(10012); BIOCHEM STUD-GENERAL(+10060); BIOPHYS-MOLECUL PROP,MACROMOLEC(10506); EXTERN EFF-HOT(+10618); FOOD TECH-FRUIT,NUTS,VEGETABLES(+13504); FOOD TECH-PREP,PROCESSNG,STORAGE(+13532); TOXICOL-FOOD,RESIDUES,ADDIT,PRESRV(+22502); TEMPERATURE-GENL,METHS(23001); PEST CONTRL GENL/PESTICS/HERBICS(+54600)

Biosystematic Codes: PLANTAE-UNSPECIFIED(11000); HOMINIDAE(-

63063668

PUNCTODERA-CHALCOENSIS NEW-SPECIES NEMATODA HETERODERIDAE A CYST NEMATODE FROM MEXICO PARASITIZING ZEA-MAYS

STONE A R; SOSA MOSS C; MULVEY R H

NEMATOLOGICA 22 (4). 1976 (RECD 1977) 381-389. Coden: NEMAA

P. chalcensis sp. nov., a cyst-nematode from Mexico parasitizing *Zea* spp. is described. Information on distribution, host range and probable significance as an agricultural pest is presented and discussed. A key to the species of *Punctodera* is provided.

Descriptors: ZEA-SPP MORPHOLOGY DISTRIBUTION KEY HOST RANGE

Concept Codes: ANATOMY/HISTOL-COMPARATIVE(11103); AGRONOMY--GRAIN CROPS(52504); AGRONOMY-OIL CROPS(52514); HORTICULT-VEGETABLES(53008); PHYTOPATHOL-DIS BY ANIM PARASITE(+54508); ANIMAL DISTRIBUTION/ZOOGEOGRAPHY(+62800); INVERTEB TAXN-ASCHELMINTHES(+63516); INVERTEB PHYSIOL-ASCHELMINTHES(+64016)

Biosystematic Codes: GRAMINEAE(25305); NEMATODA(+51300)

63061265

VARIATION IN PROTEINS OF SINGLE LESIONS FROM THE INTIMA OF THE AORTA FROM A HUMAN PATIENT WITH SEVERE ATHERO SCLEROSIS

SPENCER A; STAHHANN M A

ATHEROSCLEROSIS 26 (2). 1977 139-150. Coden: ATHSB

A method was presented for grinding and extracting very small samples of tough fibrous tissue from single atherosclerotic lesions of human aortas. Grinding to a powder was easily accomplished while the samples were frozen in liquid nitrogen in a porcelain micromortar. Extractions of the powder were made first in the mortar and then in tapered centrifuge tubes. Salt soluble, dodecyl sulfate-mercaptoethanol-urea soluble and hot alkali soluble fractions were obtained. In addition to a hot alkali insoluble elastin residue from each sample. Variation in the protein composition of 23 samples from the luminal surface of the severely atherosclerotic aorta of a 58 yr old human male were determined. The proteins soluble in the buffered-saline and the dodecyl sulfate-urea soluble polypeptides from each sample were analyzed by dodecyl sulfate-acrylamide gel electrophoresis. The amino acid compositions of the insoluble elastin fractions were determined. The 5 grossly normal intima samples had very similar gel electrophoresis band patterns and amino acid compositions. The 3 samples of necrotic gruel had markedly different dodecyl sulfate-urea soluble polypeptides than either normal or calcified tissue; they had elastin fractions whose amino acid compositions were unique in that they contained 10 times more serine than elastin fractions from grossly normal intima. The 3 calcified samples had less saline or dodecyl sulfate soluble protein than either grossly normal or necrotic gruel samples, and had very altered elastin fraction compositions characterized by much higher contents of hydroxylysine than grossly normal intima. The elastin fractions of necrotic gruel had calcified tissue samples had little or no isodesmosine or desmosine, suggesting that little of the elastin found in healthy aorta tissue was present.

Descriptors: SERINE ELASTIN HYDROXY LYSINE CENTRIFUGE ELECTROPHORESIS

Concept Codes: BIOCHEM METH-PROTNS,PEPTDS,AM AC(10054); BIOCHEM STUD-GENERAL(10060); BIOCHEM STUD-PROTEINS,PEPTIDES,AMINO AC(10064); MINERALS(10069); BIOPHYS-GENERAL BIOPHYS TECH(10504); BIOPHYS-MOLECUL PRDP,MACROMOLEC(10506); EXTERN EFF-COLD(10616); MOVEMENT(12100); PATHOLOGY-NECROSIS(12510); MINERALS(13010); METABOLISM-PROTNS,PEPTDS,AM ACDS(13012); CARDIOVASC SYST-GENL STUDS,METHS(14501); CARDIOVASC SYST-RLD VESS PATHOL(14508); BONE,JNTS,FASC,CONN/ADIP-GENL(18001); BONE,JNTS,FASC,CONN/ADIP-PHY,BCH(18004); TEMPERATURE-GENL,METHS(23001); TEMPERATURE-CRYOBIOLOGY(23004)

Biosystematic Codes: HOMINIDAE(86215)

signals showed that the greatest activity level of mud microorganisms in a 1:1 mud-sewage system occurred 1-5 h after aeration. A sharp decrease in biochemical O₂ demand coincided with this period of greatest activity. Thus the activation of metabolism of mud microorganisms during the conversion of sewage substances is associated less with their biomass than with their physiological and biochemical state.

Descriptors: CATALASE PROTEASE BIOCHEMICAL OXYGEN DEMAND SEWAGE

Concept Codes: COMPARATIVE BIOCHEM-GENL STUDIES(10010); BIOCHEM-GASES(10012); BIOCHEM METH-PROTNS,PEPTDS,AM AC(10054); BIOCHEM STUD-PROTEINS,PEPTIDES,AMINO AC(10064); BIOPHYS-BIOENGINEERING(10511); ENZYMES-GEN,COMPAR STUD,COENZYMES(10802); ENZYMES-METHODS(10804); ENZYMES-PHYSIOLOGICAL STUDIES(10808); METABOLISM-GENL STUD,METAB PATHW(13002); METABOLISM-ENERGY,RESPIRATION(13003); MICROBIOLOG APPARAT,METHS,MEDIA(32000); ENVIRON HEALTH-SEWG DISP,SANITAR(37014); FOOD/INOUS MICRO-GENL,MISC STUDS(39008); SOIL MICROBIOLOGY(40000)

Biosystematic Codes: MICROORGANISMS-UNSPECIFIED(01000)

63029683

ENDOSCOPIC AND HISTO PATHOLOGICAL OBSERVATIONS OF CHRONIC MAXILLARY SINUSITIS

TERRIER G; BAUMANN R P; PIDOUX J M

Rhinology (UTR) 14 (3). 1976 129-132. Coden: RNYA

Patients [11] were studied in order to find possible relations between endoscopic images and histopathological findings in chronic maxillary sinusitis. The classification of different types of sinusitis is based on the mucosa (normoplastic, hypoplastic, polypous, polypoid-polypous) and on histological features (lymphoplasmocytic, eosinophilic, eosino-lymphoplasmocytic infiltration, low cellularity). A comparison of sinusoscopic and histopathological observations allowed differentiation between stabilized and evolutive sinusitis, infected and allergic sinusitis and simple and complicated inflammation. This information facilitates therapeutic choice.

Descriptors: HUMAN DIFFERENTIAL DIAGNOSIS CLASSIFICATION INFECTION ALLERGY

Concept Codes: GENL BIOL-TAXONOMY,NOMENCLATUR(00504); MICROSCOPY-HISTOL,HISTOCHEM TECH(01056); CYTOLOGY/CYTOCHEM-HUMAN(02508); BIOPHYS-GENERAL BIOPHYS TECH(10504); PATHOLOGY-COMPARATIVE(12503); PATHOLOGY-DIAGNOSTIC(12504); PATHOLOGY-INFLAMMATN,INFLAM DIS(12508); BLOOD/BODY FLDS-BLOOD CELL STUDS(15004); BLOOD/BODY FLDS-LYMPHAT TISS,RES(15008); RESPIRATORY SYST-PATHOLOGY(16006); IMMUNOL/IMMUNOCHEM-IMMUNOPATHOL(16408); ALLERGY(16500); MED/CLIN MICROBIOL-GEN,METH,TECH(36001)

Biosystematic Codes: MICROORGANISMS-UNSPECIFIED(01000); HOMINIDAE(86215)

63032139

BIOCHEMICAL CHARACTERISTICS OF THE ACTIVITY OF MUD MICROORGANISMS

DOLYAGIN A B; ZUBOVA M Z

Giorobiol Zh 12 (3). 1976 90-91. Coden: GBZUA

63023561

THE FUTURE OF FEMALE STERILIZATION TECHNOLOGY

SPEIDEL J

INT J GYNAECOL OBSTET 14 (1). 1976 17-23. Coden: IJGDA

The relative importance of research objectives to improve female sterilization technology varies between developed and less developed countries. Less developed countries are more interested in technology which can be applied outside of the hospital setting, by paramedical personnel, and with equipment that is simple to use, low-cost and easy to maintain. Of the currently available methods, minilaparotomy may be the method of choice in most programs in developing countries. Laparoscopy, culdoscopy and colpotomy all have proponents, but the technical expertise and, for the endoscopic methods, the complex and expensive equipment required for these methods limits their applicability. Research is progressing on the transcervical introduction of sclerosing agents and transcervically applied tubal plugs but these methods will require considerable refinement before they can be widely used in humans. Systemic pharmacologic methods of sterilization are also a possibility.

Descriptors: WOMAN MINI LAPAROTOMY LAPAROSCOPY CULDOSCOPY COLPOTOMY PHARMACOLOGIC METHODS

Concept Codes: SOCIAL BIOL/HUMAN ECOLOGY(+05500); PHYSIOLOGY-COMPARATIVE(+12003); REPRODUCT SYST-GENL STUDS,MET-HIS(+16501); PHARMACOL-DRUG METAB,METAB STIMU(22003); PHARMACOL-ENDOCRINE SYST(22016); PHARMACOL-REPRODUCT SYST,IMP-LANT(+22028); PUB HEALTH-HEALTH SERV,MEDL CARE(+37012)

Biosystematic Codes: HOMINIDAE(86215); BIOSIS INTERNAL USE(97100)

63020957

SOME IMMUNOLOGICAL ASPECTS OF A NUMBER OF HEREDITARY AND CONGENITAL DISEASES OF THE BRONCHO-PULMONARY SYSTEM

MIKHEEVA G A; SEREDA E V; FOKINA T V

VESTN AKAD MED NAUK SSSR (3). 1976 81-85. Coden: VAMNA

Forty mucoviscidosis patients and 30 patients with various congenital defects of the broncho-pulmonary system were investigated for serum immunoglobulins, circulating antibodies to staphylococcal antigen and some indices of nonspecific immunity (complement titer, properdin level, phagocytosis, C-reactive protein). Levels of immunoglobulins and antistaphylococcal antibodies and some indices of nonspecific immunity were higher in most patients compared with healthy individuals, and were particularly pronounced in the presence of suppurative foci in the broncho-pulmonary system. Some children manifested disturbances in the ratio of the levels of individual classes of immunoglobulins (hypo- and dysgammaglobulinemia).

Descriptors: HUMAN MUCO VISCIDOSIS SERUM IMMUNO GLOBULINS ANTI STAPHYLOCOCCAL ANTIBODY COMPLEMENT PROPERDIN PHAGOCYTOSIS C REACTIVE PROTEIN HYPO GAMMA GLOBULINEMIA DYS GAMMA GLOBULINEMIA

Concept Codes: CYTOLOGY/CYTOCHEM-HUMAN(02508); GENETICS/CYT-OGNET-HUMAN(03508); BIOCHEM STUD-PROTEINS,PEPTIDES,AMINO ACD(10064); BIOCHEM STUD-CARBOHYDR (10063); MOVEMENT(12100)

PATHOLOGY-INFLAMMATN,INFLAM DIS(12508); METABOLISM-CARBOHYDRATES(13004); METABOLISM-PROTNS,PEPTDS,AM ACDS(+13012); METABOLISM-METABOLIC DISORDERS(+13020); BLOOD/BODY FLDS-BLOOD,LYMPH STUD(15002); BLOOD/BODY FLDS-LYMPHAT TISS,RES(15008); RESPIRATORY SYST-PATHOLOGY(+16006); PEDIATRICS(+25000); DEVELOPMNTL BIOL-PATHOLOGICAL(+25503); BACTERIA-PHYSIOLOGY,BI-O-CHEMISTRY(31000); IMMUNOL/IMMUNOCHEM-GEN METH(+34502); IMMUNOL/IMMUNOCHEM-BACT,VIR,FUNG(+34504); IMMUNOL/IMMUNOCHEM-IMMUNOPATHOL(+34508); MED/CLIN MICROBIOL-B-ACTERIOLOGY(36002)

Biosystematic Codes: EUBACTERIALES(07200); HOMINIDAE(86215); BIOSIS INTERNAL USE(97000)

63019289

THE SIZE OF THE GTP POOL ACTIVE IN THE SYNTHESIS OF STABLE RNA BY STAGE 6 OOCYTES OF XENOPUS-LAEVIS/

DINAUER M C; LAMARCA M J

EXP CELL RES 101 (1). 1976 122-126. Coden: ECREA

The size of the kinetic pool of GTP used in the synthesis of RNA by stage 6 *Xenopus laevis* oocytes was calculated by expanding the endogenous pool by measured amounts and analyzing the incorporation of [³H]GTP into RNA. In experiments on 5 animals, measurements of kinetic pools of GTP ranged from 190.3-314.6 pmol/oocyte and are similar to previously obtained estimates of the chemically extractable GTP pool. Calculations of the rate of stable RNA synthesis ranged from 0.99-1.95 pmol of GTP incorporated/h per oocyte. These values were also consistent with previous measurements which were based on the assumption that the entire GTP pool provided precursors for stable RNA synthesis. The GTP pool active in RNA synthesis were indistinguishable from the total chemical pool of GTP.

Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(+02506); MATHEMATIC BIOL/STATISTIC METH(04500); RADIATION BIOL-RADTN,ISOTOP TECH(06504); BIOCHEM STUD-GENERAL(10060); BIOCHEM STUD-NUCL ACD,PURNS,PYRM(10062); BIOPHYS-MOLECUL PROP,MACROMOLEC(+10506); METABOLISM-NUCL ACD,PURINS,PYRIM(+13014); REPRODUCT SYST-PHYSIOL,BIOCHEM(+16504); DEVELOPMNTL BIOL-EXPERIMENTAL(+25504)

Biosystematic Codes: SALIENTIA(85306)

63009677

ONCOCYTIC NEOPLASMS OF SALIVARY GLANDS A REPORT OF 15 CASES INCLUDING 2 MALIGNANT ONCO CYTOMAS

GRAY S R; CORNOG J L JR; SEO I S

CANCER (PHILA) 38 (3). 1976 1306-1317. Coden: CANCA

Fifteen oncocyctic (oxyphilic granular cell) neoplasms of the salivary glands collected from 3 large university medical centers are presented. The histologic and ultrastructural criteria that characterize oncocytes were presented and electron micrographs of 2 of the cases were discussed. Included in the series were 10 benign oncocyctomas, 2 malignant oncocyctomas and 3 benign, oncocyctic pleomorphic adenomas. The clinical and pathologic features of benign oncocyctomas were reviewed, with special attention to the variety of gross and microscopic changes present. The literature on malignant oncocyctomas was critically reviewed, diagnostic criteria were evaluated, and a unique case was discussed in detail. Reference was made to a group of neoplasms designated as benign, locally aggressive oncocyctomas. The problem of differential diagnosis between oncocyctoma and benign, oncocyctic pleomorphic adenoma was considered.

Descriptors: OXYPHILIC GRANULAR CELL HISTOLOGY ULTRASTRUCTURE ELECTRON MICROGRAPHS DIFFERENTIAL DIAGNOSIS

Concept Codes: PHOTOGRAPHY-METHS, MATLS, APPARAT(01012); MICROSCOPY-HISTOL, HISTOCHEM TECH(01056); ELECTRON MICROSCOPY(-01058); CYTOLOGY/CYTOCHEM-HUMAN(+02508); ANATOMY/HISTOL-MICRO, ULTRAMICRSC(+11108); PATHOLOGY-COMPARATIVE(+12503); PATHOLOG-Y-DIAGNOSTIC(+12504); DENTAL/ORAL BIOL-PATHOLOGY(+19006); NEOPLSMS/NEOPL AGNTS-DIAGNS METH(+24001); NEOPLSMS/NEOPL AGNTS-PATH, CLINIC(+24004)

Biosystematic Codes: HOMINIDAE(86215)

63008707

MALE SPECIFIC NATURAL PRODUCTS IN THE BUG LEPTOGLOSSUS-PHYLLOPUS CHEMISTRY AND POSSIBLE FUNCTION

ALDRICH J R; BLUM M S; DUFFY S S; FALES H M

J INSECT PHYSIOL 22 (9). 1976 1201-1206. Coden: JIPHA

In the Coreoidea and some allied groups male adults possess an abdominal gland opening through a midventral ostiole in the 7-8th abdominal intersegmental membrane. Using a GC-MS [gas chromatography/mass spectrometry] system, the aromatic volatiles identified in the abdominal gland secretion from males of the leaf footed bug *L. phyllopus* were gualacol, benzyl alcohol, syringaldehyde, methyl p-hydroxybenzoate, acetosyringone and vanillin. Males from which the glands were removed still mated and were competitive with control males for a limited number of females. The ventral abdominal gland secretion may act as a long-range attractant of females. The possibility that attraction of females by males in Heteroptera [Hemiptera] is an adaptation facilitating colonization of successional habitats is discussed.

Descriptors: HEMIPTERA HETEROPTERA COREOIDEA GUAIACOL BENZYL ALCOHOL SYRINGALDEHYDE METHYL-P-HYDROXY BENZOATE ACETOSYRINGONE VANILLIN VENTRAL ABDOMINAL GLAND SEX ATTRACTANT COLONIZATION GAS CHROMATOGRAPHY MASS SPECTROMETRY

Concept Codes: GENETICS/CYTOCHEM-PLANT(02504); GENETICS/CYT-

BEHAVIOR BIOL-ANIMAL BEHAVIOR(+07003); BEHAVIOR BIOL-ANIMAL COMMUNICATN(+07006); ECOLOGY-ANIMAL(+07508); BIOCHEM STUD-GEN-ERAL(+10060); BIOPHYS-GENERAL BIOPHYS TECH(10504); ANATOMY/HISTOL-EXPERIMENTAL(11104); MOVEMENT(12100); METABOLI-SM-GENL STUD, METAB PATHW(+13002); REPRODUCT SYST-PHYSIOL, BIOCHEM(16504); INVERTB PHYSIOL-INSECTA-PHYSIOL(+64076); INVERTB BODY-ABDOMEN(64210); INVERTB BODY-ORIFICE, PORE, CAVITY(64216); INVERTB BODY-SPECIAL ORGANS(+64218)

Biosystematic Codes: HEMIPTERA(75320); HETEROPTERA(753227)

50002689 unavailable

77077886

RE SYNTHESIS OF PHALLOIDIN AND PHALLISIN FROM THE SECO COMPOUNDS

MUNEKATA E; FAULSTICH H; WIELAND T

ANGEW CHEM INT ED ENGL 16 (4). 1977 267-268 Coden: ACIEA

Descriptors: AMANITA-PHALLOIDES NONTOXIC LACTONES

Concept Codes: BIOCHEM METH-PROTNS, PEPTDS, AM AC(+10054); BIOCHEM STUD-PROTEINS, PEPTIDES, AMINO ACD(10064); BIOPHYS-MOLE-CUL PROP, MACROMOLEC(10066); METABOLISM-PROTNS, PEPTDS, AM ACDS(+13012); TOXICOL-GENL/EXP STUDS, METHS(22501); PLANT PHYSIOL-METABOLISM(+51519)

Biosystematic Codes: BASIDIOMYCETES(15300)

77076562

NEW MATING TYPES IN PHYSARUM-POLYCEPHALUM

COLLINS O R; TANG H-C

MYCOLOGIA 69 (2). 1977 421-423 Coden: MYCOA

Descriptors: MULTIPLE ALLELE

Concept Codes: CYTOLOGY/CYTOCHEM-PLANT(02504); GENETICS/CYT-OGNET-PLANT(+03504); PLANT PHYSIOL-REPRODUCTION(+51512); INVERTB PHYSIOL-PROTOZOA(64002)

Biosystematic Codes: MYXOPHYTA(15700); SARCODINA(35300)

77066407

ON THE MECHANISM BY WHICH TOLBUTAMIDE STIMULATES INSULIN SECRETION

BECKMANN J; HASSELBLATT A
 NAUNYN-SCHMIEDEBERG'S ARCH PHARMACOL 297 (SUPPL II). 1977
 R41 Coden: NSAPC

Descriptors: ABSTRACT RAT THEOPHYLLINE GLISOXEPIDE
 METAB-DRUGS HORMONE-DRUGS CARBOHYDRATE METABOLISM

Concept Codes: COMPARATIVE BIOCHEM-GENL STUDIES(10010);
 BIOCHEM STUD-GENERAL(10060); BIOCHEM STUD-NUCL ACID, PURNS, PYRM-
 (10062); BIOCHEM STUD-PROTEINS, PEPTIDES, AMINO ACID(10064);
 BIOCHEM STUD-CARBOHYDR.(10068); PHYSIOLOGY-COMPARATIVE(12003);
 METABOLISM-CARBOHYDRATES(+13004); ENDOCRINE SYST-PANCREAS(+17-
 008); PHARMACOL-DRUG METAB, METAB STIMU(+22003); PHARMACOL-END-
 OCRINE SYST(+22016); PLANT PHYSIOL-CHEM CONSTITUENTS(51522);
 PHARMACOGNOSY/PHARMACEUT BOTANY(54000)

Biosystematic Codes: THEACEAE(26845); MURIDAE(86375)

77066391

RENAL EFFECTS OF ETOZOLIN A CLEARANCE AND MICRO PUNCTURE STUDY IN RATS

GREVEN J; HEIDENREICH D
 NAUNYN-SCHMIEDEBERG'S ARCH PHARMACOL 297 (SUPPL II). 1977
 R37 Coden: NSAPC

Descriptors: ABSTRACT FUROSEMIDE ETHACRYNIC-ACID
 RENAL-ACTING-DRUGS INTRA VENOUS ADMINISTRATION SODIUM RE
 ABSORPTION

Concept Codes: COMPARATIVE BIOCHEM-GENL STUDIES(10010);
 BIOCHEM STUD-GENERAL(10060); MINERALS(10069); PHYSIOLOGY-COM-
 PARATIVE(12003); MINERALS(+13010); CARDIOVASC SYST-GENL
 STUDS, METHS(14501); URIN SYST/EXT SECR-GENL STUD, METH(15501);
 URIN SYST/EXT SECR-PHYSL, BIOCHEM(+15504); PHARMACOL-DRUG
 METAB, METAB STIMU(+22003); PHARMACOL-URINARY SYST(+22032);
 ROUTES OF IMMUNIZ, INFECT, THERAP(22100)

Biosystematic Codes: MURIDAE(86375)

77066390

RENAL ELIMINATION KINETICS OF OXALATE IN DOGS

SCHMITZ H-J; RABUNG R; KEMPER R
 NAUNYN-SCHMIEDEBERG'S ARCH PHARMACOL 297 (SUPPL II). 1977
 R36 Coden: NSAPC

Descriptors: ABSTRACT CARBON-14 OXALATE TRITIATED INULIN
 METABOLISM INDICATOR EXCRETION METHOD

Concept Codes: RADIATION BIOL-RADTN, ISOTOP TECH(06504);
 COMPARATIVE BIOCHEM-GENL STUDIES(10010); BIOCHEM STUD-GENERAL-
 (10060); BIOCHEM STUD-CARBOHYDR.(10068); PHYSIOLOGY-COMPARATI-
 VE(12003); METABOLISM-GENL STUD, METAB PATHW(+13002);
 METABOLISM-CARBOHYDRATES(+13004); URIN SYST/EXT SECR-GENL
 STUD, METH(15501); URIN SYST/EXT SECR-PHYSL, BIOCHEM(+15504);
 PHARMACOL-DRUG METAB, METAB STIMU(+22003); PHARMACOL-URINARY
 SYST(+22032); PLANT PHYSIOL-CHEM CONSTITUENTS(51522);
 PHARMACOGNOSY/PHARMACEUT BOTANY(54000)

Biosystematic Codes: COMPOSITAE(25840); CANIDAE(85765)

77064591

QUANTAL RELEASE OF TRANSMITTER FROM MOTOR NERVE TERMINALS IN BOTULINUM TOXIN POISONING AND IN MYASTHENIA GRAVIS

LUNDH H
 ACTA NEUROL SCAND 54 (1). 1976 106-107 Coden: ANRSA
 Descriptors: ABSTRACT RAT HUMAN CALCIUM IONOPHORE A-23187
 BLACK-WIDOW SPIDER VENOM METAB-DRUGS MINIATURE END PLATE
 POTENTIAL

Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(02506); CYTOLOGY/CY-
 TOCHEM-HUMAN(02508); BIOCHEM STUD-GENERAL(10060); BIOCHEM
 STUD-PROTEINS, PEPTIDES, AMINO ACID(10064); MINERALS(10069);
 BIOPHYS-GENERAL BIOPHYS TECH(10504); MINERALS(13010); MUSCLE
 SYST-GENL STUDS, METHS(17501); MUSCLE SYST-PATHOLOGY(+17506);
 DENTAL/ORAL BIOL-PHYSIOL, BIOCHEM(19004); NERVOUS SYST-GENL
 STUDS, METHS(20501); NERVOUS SYST-PATHOLOGY(+20506); PHARMACOL-
 -DRUG METAB, METAB STIMU(22003); TOXICOL-GENL/EXP STUDS, METHS(-
 22501); BACTERIA-PHYSIOLOGY, BIOCHEMISTRY(31000); MED/CLIN
 MICROBIOL-BACTERIOLOGY(36002); INVERTEB PHYSIOL-CHELICERATA(64-
 060)

Biosystematic Codes: EUBACTERIALES(07200); ARACHNIDA(75402);
 HOMINIDAE(86215); MURIDAE(86375)

77058426

ONTOGENESIS OF MONO AMINE OXIDASE EC-1.4.3.4 IN THE THYROID GLAND OF RATS/

KNOPP J; SALEH N A; KVTNANSKY R
 EXPERIENTIA (BASEL) 32 (9). 1976 1113-1114 Coden: EXPEA
 Concept Codes: BIOCHEM STUD-PROTEINS, PEPTIDES, AMINO
 ACID(10064); ENZYMES-PHYSIOLOGICAL STUDIES(+10808); ENDOCRINE
 SYST-THYROID(+17018); ENDOCRINE SYST-NEUROENDOCRINOLOG(17020);
 NERVOUS SYST-PHYSIOL, BIOCHEM(20504); DEVELOPMNTL BIOL-GEN
 MORPHOGENESIS(+25508)

Biosystematic Codes: MURIDAE(86375)

77048762

TRANSPLANTATION IMMUNITY IN THE ADENOVIRUS 2 HAMSTER TUMOR SYSTEM

COOK J L; LEWIS A M JR
 ABSTR ANNU MEET AM SOC MICROBIOL 77. 1977 101 Coden:
 ASMAC

Descriptors: ABSTRACT TRANSFORMED HAMSTER CELLS ONCOGENICITY
 TUMOR SPECIFIC TRANSPLANTATION ANTIGEN IMMUNOGENICITY TUMOR
 GROWTH RESISTANCE

Concept Codes: BIOCHEM STUD-GENERAL(10060); ANATOMY/HISTOL--
 REGEN,TRANSPLANT(+11107); NEOPLSMS/NEOPL AGNTS-IMMUNOLOGY(+24-
 003); NEOPLSMS/NEOPL AGNTS-CELL LINE(+24005); NEOPLSMS/NEOPL
 AGNTS-BIOCHEM(24006); NEOPLSMS/NEOPL AGNTS-CARCINOGENS(+24007)
 ; VIROLOGY-ANIMAL HOST VIRUSES(33506); IMMUNOL/IMMUNOCHEM-IMM-
 UNOPATHOL(+34508); MED/CLIN MICROBIOL-VIROLOGY(36006)

Biosystematic Codes: ANIMAL VIRUSES(03200); CRICETIDAE(8631-
 0)

77048438

MYCOBACTERIUM-KANSASII INFECTION IN RHESUS MONKEYS
MACACA-MULATTA

MCCARROLL N E; GOOD R C; VALERIO D A
 ABSTR ANNU MEET AM SOC MICROBIOL 77. 1977 47 Coden:
 ASMAC

Descriptors: ABSTRACT HUMAN MICE MORPHOLOGY PHYSIOLOGY
 ANTIBIOTIC SENSITIVITY

Concept Codes: PHARMACOL-GENERAL STUDIES(22002);
 PHARMACOL-DRUG METAB,METAB STIMU(22003); BACTERIA-MORPHOLOGY,-
 CYTOLOGY(+30500); BACTERIA-PHYSIOLOGY,BIOCHEMISTRY(+31000);
 MED/CLIN MICROBIOL-GEN,METH,TECH(36001); MED/CLIN MICROBIOL-B-
 ACTERIOLOGY(+36002); CHEMOTHERAPY-ANTIBACTERIAL AGNTS(+38504)

Biosystematic Codes: ACTINOMYCETALES(06200); CERCOPIITHECIDA-
 E(86205); HOMINIDAE(86215); MURIDAE(86375)

77044641

PHYSICAL PARAMETERS RELATING TO PESTICIDE APPLICATION

AKESSON N B; YATES W E
 U S FOR SERV GEN TECH REP PSW 15. 1976 (RECD 1977) 4-19
 Coden: XFG78

Descriptors: AEDES-TAENIORHYNCHUS AEDES-SOLLICITANS ANOPHELES-
 QUADRIMACULATUS INSECTS CROP PROTECTION HERBICIDES
 PATHOGENS FUNGICIDES INSECTICIDES METEOROLOGY INTEGRATED
 CONTROL TEMPERATURE INVERSIONS

Concept Codes: ECOLOGY-BIOCLIMATOL,BIOMETEOROL(07504);
 BIOCHEM STUD-GENERAL(+10060); EXTERN EFF-TEMPERATURE(10614);
 TOXICOL-GENL/EXP STUDS,METHS(22501); MED/CLIN MICROBIOL-GEN,M-
 ETH,TECH(36001); PEST CONTRL GENL/PESTICS/HERBICS(+54600);
 ECONOM ENTOMOL-GENL STUDS(+60002); ECONOM ENTOMOL-ANIMAL
 PESTS(60012); ECONOM ENTOMOL-BIOLOGICAL CONTRL(60014); ECONOM
 ENTOMOL-INTEGRATED CONTRL(+60015); ECONOM ENTOMOL-CHEM PHYS
 CONTRL(+60016); SANITARY ENTOMOLOGY(61000); INVERTB
 PHYSIOL-INSECTA-PATHOL(64078)

Biosystematic Codes: MICROORGANISMS-UNSPECIFIED(01000);
 SPERMATOPHYTA-UNSPECIFIED(25000); DIPTERA(75314); ABSTRACTS OF

MYCOLOGY(95000); ABSTRACTS OF ENTOMOLOGY(96000)

77004322

MONITORING OF RESIDUES OF ABATE IN STREAMS TREATED FOR
SIMULIUM CONTROL

DALE W E; MILES J W; GUERRANT G D
 COULSTON, FREDERICK AND FRIEDHELM KORTE (ED.). ENVIRONMENTAL
 QUALITY AND SAFETY SUPPLEMENT, VOL. III, PESTICIDES,
 INTERNATIONAL UNION OF PURE AND APPLIED CHEMISTRY THIRD
 INTERNATIONAL CONGRESS, HELSINKI, FINLAND, JULY 3-9, 1974.
 XVI+880P. ILLUS. GEORGE THIEME PUBLISHERS: STUTTGART, WEST
 GERMANY. ISBN 3-13-517001-2. 1975 (RECD 1976) 780-783
 Coden: 05405

Descriptors: INSECTICIDE SOUTH-CAROLINA USA
 Concept Codes: ECOLOGY-LIMNOLOGY(+07514); ECOLOGY-WATR
 RESRCH,FISHERY BIOL(07517); BIOCHEM STUD-GENERAL(10060);
 METABOLISM-GENL STUD,METAB PATHW(+13002); TOXICOL-ENVIRONMNTL-
 ,INDUSTR(+22506); ENVIRON HEALTH-AIR,WATR,SL POLLN(+37015);
 PEST CONTRL GENL/PESTICS/HERBICS(+54600); ECONOM ENTOMOL-CHEM
 PHYS CONTRL(+60016)

Biosystematic Codes: DIPTERA(75314); ABSTRACTS OF
 ENTOMOLOGY(96000)

Print 5/5/1-3

DIALOG File55: BIOSIS Previews - 1969 thru 1976 (Copr. Biological Abstracts Inc.) (Item 1 of 3) User 3614 25Jan83

1978

56069214 unavailable

69011418

CLINICAL SIGNS OF ANEMIA IN VITAMIN A DEFICIENT RATS

MEJIA L A; HODGES R E; RUCKER R B

SECT. NUTR.-TB 148, SCH. MED., UNIV. CALIF., DAVIS, CALIF. 95616, USA.

AM J CLIN NUTR 32 (7). 1979. 1439-1444. Coden: AJCNA

Language: ENGLISH

Young rats weighing 150 g (initial weight) were fed diets sufficient or deficient in vitamin A. Postweaning rats were used to retard the rapid onset of vitamin A deficiency. The effects of the deficiency were studied regarding impairment of hematopoietic function and anemia. Values for Hb and hematocrit provided evidence of anemia before the signs of severe vitamin A deficiency became apparent. These included alopecia, ocular lesions and low levels of retinol in plasma and liver. At the point where liver stores of vitamin A were virtually depleted, estimates for serum Fe, hematocrit and Hb were elevated to control levels. The latter phenomenon appeared to result from hemoconcentration. Anemia is apparently a component of vitamin A deficiency, but may be masked by the dehydration that accompanies severe depletion of vitamin A.

Descriptors: LIVER RETINOL HEMATOPOIETIC FUNCTION HEMO GLOBIN HEMATOCRIT ALOPECIA OCULAR LESION DEHYDRATION

Concept Codes: CYTOLOGY/CYTOCHEM-ANIMAL(02506); COMPARATIVE BIOCHEM-GENL STUDIES(+10010); BIOCHEM STUD-VITAMINS(10063); BIOCHEM STUD-PROTEINS,PEPTIDES,AMINO ACID(10064); BIOCHEM STUD-PORPHYRINS,BILE PIGM(10065); BIOCHEM STUD-LIPIDS(10066); MINERALS(10069); METABOLISM-LIPIDS(+13006); MINERALS(+13010); METABOLISM-PROTNS,PEPTDS,AM ACDS(+13012); METABOLISM-PORPHYRINS,BILE PIGMN(+13013); METABOLISM-VITAMINS,FAT-SOLUBLE(+13016); NUTRITION-MALNUTRITION,OBESITY(+13203); NUTRITION-VITAMINS,-FAT-SOLUBLE(+13208); DIGESTIVE SYST-PHYSIOL,BIOCHEM(14004); BLOOD/BODY FLDS-BLOOD,LYMPH STUD(15002); BLOOD/BODY FLDS-BLOOD CELL STUDS(15004); BLOOD/BODY FLDS-BLD,LYM,RES PATH(+15006); BLOOD/BODY FLDS-LYMPHAT TISS,RES(15008); INTEGUMENT SYST-PATHOLOGY(18506); SENSE ORGANS-PATHOLOGY(20006); PEDIATR-ICS(25000)

Biosystematic Codes: MURIDAE(86375)

practical significance of the method in clinical endocrinology is emphasized and sources of diagnostic errors possible in interpretation of the form and structure of the scannographic picture of the gland, under normal and pathological conditions, are elucidated.

Descriptors: HUMAN DIAGNOSIS HISTOLOGY

Concept Codes: PHOTOGRAPHY-METHS,MATLS,APPARAT(01012); MICROSCOPY-HISTOL,HISTOCHEM TECH(+01056); RADIATION BIOL-RADT-N,ISOTOP TECH(06504); BIOCHEM METH-MINERALS(10059); MINERALS(10069); BIOPHYS-GENERAL BIOPHYS TECH(10504); PATHOLOGY-DIAGNOSTIC(+12504); MINERALS(+13010); METABOLISM-METABOLIC DISORDERS(+13020); ENDOCRINE SYST-THYROID(+17018)

Biosystematic Codes: HOMINIDAE(86215)

63031926

SOME ASPECTS IN THE ASSESSMENT OF THE SCANNOGRAPHIC IMAGE OF THE THYROID GLAND UNDER NORMAL AND PATHOLOGICAL CONDITIONS

POLENKO V K; OSTROVSKAYA V D; CHIBISOV V A

PROBL ENDOKRINOL 22 (2). 1976 18-23. Coden: PROEA

Scannograms (1252) of 1170 patients were studied. Plane image variants of the shape of normal, dystrophic and maldeveloped thyroid glands were studied. The scannographic image of the structure of pathology of the thyroid as well as factors determining the accumulation and distribution of