

ILERO PROJECT SUMMARY

Issue Date:
August 1967

PROJECT NO. LN-112 TITLE Bone Marrow Biopsy as a Measure of Total Body Lead Burden

PREVIOUS IDENTIFICATION ULN-4 Bone Marrow Biopsy as a Measure of Total Body Lead Burden

CONTRACTOR none

CURRENT CONTRACT none

CUMULATIVE EXPENSES (to July 31, 1967) none

1968 PROPOSED OR CONTRACT PRICE \$5,000

1968 AUTHORIZATION

1967 & Prior Authorizations Uncommitted	\$2,500
1968 Authorization	none
Undesignated Research Authorization	none
1968 Proposed or Contract Price	<u>\$5,000</u>

ILERO
\$2,500

TEL
\$2,500

TOTAL
\$5,000

MARKET APPLICATIONS Direct to gasoline additive, and indirectly to most other uses of lead.

OBJECTIVE To attempt to determine in animals the relationship of blood lead concentrations to that existing in the bone, bone marrow, and total body lead.

RESEARCH REVIEW

1. Current Status This is a new program in the planning stage and a contractor has not yet been selected. We are attempting to obtain a single contractor for this plus LN-113 and LN-114 to minimize costs.

2. Projected Research To correlate bone, bone marrow, blood and total body lead concentrations in rats ingesting lead. This information will be compared with that obtained by the American Petroleum Institute in a similar study using human autopsy data.

3. Reports Issued

- a. Progress Report - not applicable
- b. Proposal - Bone Marrow Biopsy as a Measure of Total Body Lead Burden, received February 1966, circulated February 21, 1966.
- c. Work Statement - none

DEVELOPMENT REVIEW

1. Pilot Production - not applicable
2. Consumer Evaluation - not applicable
3. Licensing Activities - not applicable
4. Patents - not applicable
5. Publications
 - a. ILERO - none
 - b. Development Associations - none

LE-112

ILENO PROJECT SUMMARY

page two

ECONOMIC INCENTIVE

1. Market Goals - Maintain world market.
2. Applications and Market Volume - Use as gasoline additive.
3. Size of Market Defending - 230,000 tons of lead in U.S. and 51,000 tons in Europe.
4. Competitive Threat - Change refining techniques to eliminate lead additives.