

metabolism by phenobarb and ethanol
culture 6-20-77 + 6-22-77

ST	MINUTES	CTIS-A	CTIS-B	ID-RF	EST	CPM
1	82	1.000	12	22	1	1.782 0.545 22.0
1	83	1.000	64399	78642	2	4.939 0.825 78642.15
1	84	1.000	100558	208645	3	1.298 0.482 208645.0
1	85	1.000	21365	22850	4	13.667 0.935 22850.0
X	86	1.000	1772	2839	5	1.791 0.624 2839.0
1	87	1.220	2442	3718	6	1.768 0.657 3718.0
1	88	1.000	2329	3350	7	1.904 0.695 3350.0
1	89	1.000	3444	5710	8	1.752 0.603 5710.0
1	90	1.000	2884	4471	9	1.764 0.645 4471.0
X	91	1.000	2843	4402	10	1.829 0.646 4402.0
1	92	1.000	2366	3254	11	1.897 0.727 3254.0
1	93	1.000	3011	4739	12	1.754 0.635 4739.0
1	94	1.000	2415	3376	13	1.854 0.715 3376.0
1	95	1.000	2531	4052	14	1.776 0.625 4052.0
X	96	1.000	2454	3527	15	1.863 0.696 3527.0
1	97	1.000	2586	4132	16	1.772 0.626 4132.0
1	98	1.000	6360	9931	17	1.805 0.640 9931.0
1	99	1.000	5929	8595	18	1.766 0.690 8595.0
1	100	1.000	6786	10507	19	1.804 0.646 10507.0
X	101	1.000	25407	39145	20	1.764 0.649 39145.0
1	102	1.000	27079	42667	21	1.768 0.635 42667.0
1	103	1.000	28216	42740	22	1.786 0.660 42740.0
1	104	1.000	17970	27249	23	1.755 0.659 27249.0
1	105	1.000	10376	15706	24	1.776 0.661 15706.0
1	106	1.000	11672	19281	25	1.736 0.605 19281.0
1	107	1.000	10021	16026	26	1.748 0.625 16026.0
1	108	1.000	9332	14167	27	1.779 0.659 14167.0
1	109	1.000	7884	12465	28	1.780 0.632 12465.0
1	110	1.000	8170	12367	29	1.794 0.661 12367.0
1	111	1.000	7400	11802	30	1.758 0.627 11802.0
1	112	1.000	9028	14324	31	1.765 0.630 14324.0
1	113	1.000	14920	24128	32	1.769 0.618 24128.0
1	114	1.000	14181	21881	33	1.770 0.648 21881.0
1	115	1.000	15513	26007	34	1.736 0.596 26007.0
1	116	1.000	14217	23582	35	1.742 0.603 23582.0
1	117	1.000	13046	19851	36	1.793 0.657 19851.0
1	118	1.000	13692	21935	37	1.771 0.624 21935.0
1	119	1.000	11209	17427	38	1.774 0.643 17427.0
1	120	1.000	13027	22140	39	1.747 0.588 22140.0
1	121	1.000	11981	19141	40	1.782 0.626 19141.0
1	122	1.000	1250	2031	41	1.781 0.615 2031.0
1	123	1.000	1605	2695	42	1.750 0.596 2695.0
1	124	1.000	1433	2353	43	1.776 0.609 2353.0
1	125	1.000	2641	4435	44	1.723 0.595 4435.0
1	126	1.000	2299	3604	45	1.788 0.638 3604.0
1	127	1.000	2527	3971	46	1.774 0.636 3971.0
1	128	1.300	5805	8960	47	1.760 0.648 8960.0
1	129	1.000	5727	8629	48	1.786 0.664 8629.0
1	130	1.300	5038	7942	49	1.775 0.634 7942.0
1	131	1.000	5620	8630	50	1.769 0.651 8630.0
1	132	1.000	10661	16425	51	1.760 0.649 16425.0
1	133	1.000	10782	16825	52	1.798 0.641 16825.0
1	134	1.000	4821	7488	53	1.777 0.644 7488.0
1	135	1.000	5272	8267	54	1.784 0.638 8267.0
1	136	1.000	5136	7885	55	1.768 0.651 7885.0
1	137	1.000	14722	22851	56	1.773 0.644 22851.0
1	138	1.000	14405	22144	57	1.759 0.651 22144.0
1	139	1.000	14900	24644	58	1.753 0.605 24644.0
1	140	1.000	13281	21210	59	1.775 0.626 21210.0
1	141	1.000	13295	20613	60	1.776 0.645 20613.0

Blank
Ref. std
Control
Saline w/
No mitogen

PHA

PWM

Phenobarb
None

PHA

R&S 032200

1 138	1.000	14405	22144	57
1 139	1.000	14900	24644	58
1 140	1.000	10281	21212	59
1 141	1.000	10035	22613	60
1 142	1.000	12302	17476	61
1 143	1.000	24212	36840	62
1 144	1.000	24894	43131	63
1 145	1.000	25103	37604	64
1 146	1.000	10441	10241	65
1 147	1.000	10773	12571	66
1 148	1.000	0463	10246	67
1 149	1.000	11725	17444	68
1 150	1.000	10479	16483	69
1 151	1.000	12063	19231	70
1 152	1.000	23138	35311	71
1 153	1.000	21762	36168	72
1 154	1.000	19089	30154	73
1 155	1.000	19432	31946	74
1 156	1.000	18391	29267	75
1 157	1.000	20571	32712	76
1 158	1.000	2228	3660	77
1 159	1.000	2550	4085	78
1 160	1.000	2547	4099	79
1 161	1.000	2665	4035	80
1 162	1.000	2761	4459	81
1 163	1.000	4872	7753	82
1 164	1.000	6638	10295	83
1 165	1.000	7259	11477	84
1 166	1.000	4313	6879	85
1 167	1.000	9448	14921	86
1 168	1.000	11387	18379	87
1 169	1.000	10756	16243	88
1 170	1.000	5903	9088	89
1 171	1.000	4438	6752	90
1 172	1.000	6792	12781	91
1 173	1.000	16787	25458	92
1 174	1.000	14323	22486	93
1 175	1.000	15776	24092	94
1 176	1.000	29430	45201	95
1 177	1.000	25106	37043	96
1 178	1.000	22284	33874	97
1 179	1.000	50285	80476	98
1 180	1.000	47589	74790	99
1 181	1.000	44209	70194	100
1 182	1.000	6596	10360	101
1 183	1.000	7552	12148	102
1 184	1.000	5922	9428	103
1 185	1.000	10162	15673	104
1 186	1.000	7189	11651	105
1 187	1.000	10375	16532	106
1 188	1.000	26455	39055	107
1 189	1.000	23362	35735	108
1 190	1.000	26109	40129	109
1 191	1.000	43597	75213	110
1 192	1.000	49552	76126	111
1 193	1.000	43209	69135	112
1 194	1.000	2883	4577	113
1 195	1.000	5530	8658	114
1 196	1.000	3433	5374	115
1 197	1.000	4266	6413	116
1 198	1.000	4662	7459	117
1 199	1.000	4457	6657	118
1 200	1.000	10031	15563	119
1 201	1.000	9053	13724	120

1.759	0.651	22144.0
1.753	0.605	24644.0
1.775	0.626	21212.0
1.776	0.645	22613.2
1.775	0.657	19476.3
1.777	0.659	36446.0
1.791	0.602	42131.0
1.770	0.665	37634.0
1.715	0.652	13243.0
1.771	0.657	12571.2
1.774	0.639	13246.0
1.764	0.632	17444.0
1.762	0.636	16483.0
1.786	0.628	19231.0
1.762	0.646	35311.0
1.754	0.602	36168.0
1.762	0.633	30154.0
1.777	0.608	31946.0
1.761	0.628	29267.0
1.769	0.629	32712.0
1.813	0.609	3660.0
1.776	0.624	4085.0
1.772	0.621	4099.0
1.763	0.660	4035.0
1.775	0.619	4459.0
1.781	0.628	7753.0
1.764	0.645	10295.0
1.791	0.632	11477.0
1.767	0.627	6879.0
1.807	0.633	14921.0
1.815	0.647	18379.0
1.844	0.662	16243.0
1.850	0.650	9088.0
1.834	0.657	6752.0
1.842	0.630	10781.0
1.840	0.659	25458.0
1.826	0.637	22486.0
1.826	0.655	24092.0
1.834	0.651	45201.0
1.849	0.678	37043.0
1.850	0.658	33874.0
1.824	0.625	80476.0
1.849	0.636	74790.0
1.841	0.630	70194.0
1.843	0.637	10360.0
1.853	0.622	12148.0
1.855	0.623	9428.0
1.855	0.643	15693.0
1.853	0.617	11651.0
1.821	0.658	16532.0
1.836	0.677	39055.0
1.817	0.654	35735.0
1.817	0.651	40129.0
1.831	0.646	75213.0
1.810	0.651	76126.0
1.835	0.625	69135.0
1.822	0.630	4577.0
1.813	0.639	8658.0
1.837	0.639	5374.0
1.823	0.665	6413.0
1.823	0.625	7459.0
1.826	0.670	6657.0
1.825	0.645	15563.0
1.818	0.660	13724.0
1.822	0.640	7727.0

PWM

~~Ethanol~~ inj
Ethanol
None

DHA

PWM

VCM Expos
Saline inj
None

1 190	1.000	26109	40129	109	1.817	0.651	40129.0
1 191	1.000	48597	75218	110	1.831	0.646	75218.0
1 192	1.000	49552	76126	111	1.818	0.651	76126.0
1 193	1.000	43239	69125	112	1.335	0.625	69125.0
1 194	1.000	4373	4577	113	1.322	0.630	4577.2
1 195	1.000	5530	3653	114	1.13	2.639	8658.2
1 196	1.000	3433	5374	115	1.837	0.639	5374.0
1 197	1.000	4266	6413	116	1.323	0.665	6413.0
1 198	1.000	4662	7459	117	1.823	0.625	7459.0
1 199	1.000	4457	6657	118	1.326	0.672	6657.0
1 200	1.000	10231	15563	119	1.325	0.645	15563.0
1 201	1.000	7053	13724	120	1.813	2.660	13724.0
1 202	1.000	5611	8737	121	1.363	0.642	8737.0
1 203	1.000	6029	9606	122	1.811	0.622	9606.0
1 204	1.000	7241	12937	123	1.308	0.644	12937.0
1 205	1.000	5080	3843	124	1.333	0.667	3843.0
1 206	1.000	24232	37676	125	1.322	0.638	37676.0
1 207	1.000	15933	25415	126	1.532	2.627	25415.0
1 208	1.000	17389	23230	127	1.822	0.633	23230.0
1 209	1.000	12536	19396	128	1.325	0.646	19396.0
1 210	1.000	21806	35587	129	1.326	0.613	35587.0
1 211	1.000	22807	33892	130	1.340	0.649	33892.0
1 212	1.000	21880	33401	131	1.821	0.631	33401.0
1 213	1.000	21415	34468	132	1.836	0.621	34468.0
1 214	1.000	21455	33613	133	1.326	0.633	33613.0
1 215	1.000	29355	47123	134	1.820	0.623	47123.0
1 216	1.000	24853	38696	135	1.326	0.642	38696.0
1 217	1.000	31645	49977	136	1.835	0.633	49977.0
1 218	1.000	27472	42762	137	1.830	0.642	42762.0
1 219	1.000	29487	45479	138	1.831	0.648	45479.0
1 220	1.000	25801	38813	139	1.328	0.665	38813.0
1 221	1.000	24689	38839	140	1.333	0.636	38839.0
1 222	1.000	24621	38256	141	1.813	0.644	38256.0
1 223	1.000	26990	42263	142	1.303	0.639	42263.0
1 224	1.000	19479	29350	143	1.813	0.664	29350.0
1 225	1.000	22323	33763	144	1.820	0.661	33763.0
1 226	1.000	21185	32207	145	1.820	0.655	32207.0
1 227	1.000	21039	32555	146	1.838	0.646	32555.0
1 228	1.000	20832	32884	147	1.824	0.633	32884.0
1 229	1.000	21914	33121	148	1.828	0.662	33121.0
1 230	1.000	2341	4517	149	1.831	0.629	4517.0
1 231	1.000	1062	1615	150	1.851	0.658	1615.0
1 232	1.000	2704	4107	151	1.829	0.658	4107.0
1 233	1.000	3537	5645	152	1.828	0.627	5645.0
1 234	1.000	3941	6239	153	1.824	0.632	6239.0
1 235	1.000	4590	7218	154	1.829	0.636	7218.0
1 236	1.000	9434	14937	155	1.806	0.629	14937.0
1 237	1.000	8939	13599	156	1.816	0.657	13599.0
1 238	1.000	10174	15678	157	1.840	0.649	15678.0
1 239	1.000	7563	11792	158	1.827	0.641	11792.0
1 240	1.000	7093	11226	159	1.811	0.632	11226.0
1 241	1.000	6611	10063	160	1.839	0.657	10063.0
1 242	1.000	4160	6506	161	1.846	0.639	6506.0
1 243	1.000	3752	6028	162	1.820	0.622	6028.0
1 244	1.000	2939	4598	163	1.331	0.639	4598.0
1 245	1.000	12106	18964	164	1.832	0.638	18964.0
1 246	1.000	10391	16283	165	1.820	0.638	16283.0
1 247	1.000	9914	15343	166	1.835	0.646	15343.0
1 248	1.000	22363	34720	167	1.305	0.653	34720.0
1 249	1.000	23147	36870	168	1.369	0.623	36870.0
1 250	1.000	21292	33163	169	1.842	0.642	33163.0
1 251	1.000	13013	22532	170	1.832	0.632	22532.0
1 252	1.000	15147	24517	171	1.830	0.618	24517.0
1 253	1.000	15195	22723	172	1.353	0.667	22723.0

VCM Exposed
Saline inj
None

PHA

PWM

Phenobarb
None

PHA

R&S 032202

1 242	1.000	4160	6506	161	1.846	0.639	6506.0
1 243	1.000	3752	6028	162	1.820	0.622	6028.0
1 244	1.022	2939	4598	163	1.331	0.639	4598.0
1 245	1.022	12106	13964	164	1.332	0.638	13964.0
1 246	1.020	10091	16283	165	1.322	0.638	16283.0
1 247	1.220	9914	15348	166	1.835	0.646	15348.0
1 248	1.222	22363	34720	167	1.365	0.653	34720.0
1 249	1.220	23147	33670	168	1.367	0.623	33670.0
1 251	1.220	21222	33163	169	1.342	0.642	33163.0
1 251	1.222	13010	32532	170	1.032	0.632	22532.0
1 252	1.000	15147	24517	171	1.830	0.610	24517.0
1 250	1.000	15135	22723	172	1.353	0.667	22723.0
1 254	1.027	15309	23301	173	1.355	0.660	23301.0
1 255	1.032	14654	22717	174	1.377	0.645	22717.0
1 256	1.022	15143	23373	175	1.351	0.648	23373.0
1 257	1.022	16924	26603	176	1.846	0.636	26603.0
1 258	1.000	18674	28003	177	1.862	0.667	28003.0
1 259	1.000	15375	23047	178	1.339	0.667	23047.0
1 260	1.000	18440	28756	179	1.862	0.641	28756.0
1 261	1.000	13762	28970	180	1.367	0.648	28970.0
1 262	1.000	13742	30978	181	1.862	0.637	30978.0
1 263	1.000	22676	35673	182	1.357	0.636	35673.0
1 264	1.022	22394	34073	183	1.852	0.657	34073.0
1 265	1.000	23419	36337	184	1.345	0.635	36337.0
1 266	1.000	3669	5775	185	1.342	0.635	5775.0
1 267	1.022	3492	5524	186	1.063	0.632	5524.0
1 260	1.020	4765	7405	137	1.343	0.640	7405.0
1 269	1.020	7670	14729	133	1.841	0.658	14729.0
1 270	1.020	6274	9752	139	1.350	0.645	9752.0
1 271	1.020	10952	16534	192	1.344	0.662	16534.0
1 272	1.022	4469	6791	191	1.338	0.658	6791.0
1 273	1.070	5382	3290	192	1.843	0.649	3290.0
1 274	1.000	5037	7913	190	1.855	0.643	7913.0
1 275	1.020	5502	3655	194	1.346	0.636	3655.0
1 276	1.000	4202	6278	195	1.853	0.669	6278.0
1 277	1.020	5078	9179	196	1.332	0.651	9179.0
1 278	1.020	4016	6199	197	1.864	0.648	6199.0
1 279	1.000	4293	6407	198	1.368	0.639	6407.0
1 280	1.000	2658	5757	199	1.848	0.635	5757.0
1 281	1.022	24382	37105	200	1.860	0.657	37105.0
1 282	1.000	19757	31091	201	1.867	0.635	31091.0
1 283	1.000	16732	25330	202	1.864	0.661	25330.0
1 284	1.000	6027	9225	203	1.343	0.653	9225.0
1 285	1.022	6426	9834	204	1.847	0.653	9834.0
1 286	1.200	5389	8334	205	1.854	0.647	8334.0
1 287	1.000	10200	16333	206	1.349	0.625	16333.0
1 288	1.200	14481	22672	207	1.370	0.639	22672.0
1 289	1.000	12204	19072	208	1.862	0.640	19072.0
1 290	1.000	19875	30820	209	1.854	0.645	30820.0
1 291	1.000	11938	19625	210	1.841	0.611	19625.0
1 292	1.200	10124	15685	211	1.879	0.645	15685.0
1 293	1.000	16598	25910	212	1.874	0.641	25910.0
1 294	1.000	11769	18138	213	1.370	0.649	18138.0
1 295	1.000	16971	26564	214	1.846	0.639	26564.0
1 296	1.000	5964	9621	215	1.856	0.620	9621.0
1 297	1.200	17229	27231	216	1.842	0.633	27231.0
1 298	1.000	19344	29906	217	1.844	0.647	29906.0
1 299	1.000	12752	19474	218	1.845	0.655	19474.0
1 0	1.000	13628	21472	219	1.834	0.635	21472.0
1 1	1.000	21524	34073	220	1.847	0.632	34073.0 P

PHA

PWM

Ethanol
Nomenclature

PHA

PWM

R&S 032203