

P450 RGS Raw Data

1998 AD Little Tissue Extracts													
January 7-8, 1999													
16 hour			RLU1	RLU2	Mean	St.Dev.	CV%	FOLD					
Solvent	DCM	10 uL	0.043	0.051	0.047	0.006	12.0	1					
Solv Mix	DMSO mix	10 uL	0.050	0.047	0.049	0.002	4.4	1					
Ref. Tox.	TCDD	1 ng/mL	2.974	2.862	2.918	0.079	2.7	62.1	Lipid	Lipid		Dry	Dry
Applied 10 uL									Lipid Wt.	Final Ext.	B[a]P Eq.	TEQ	Dry Wt.
CAS #	RLU1	RLU2	Mean	St.Dev.	CV%	FOLD	(g)	Vol (mL)	ug/g	ng/g	(g)	ug/g	ng/g
2	0.427	0.421	0.424	0.004	1.0	8.7	0.5	0.4	11.5	0.7	9.2	0.6	0.04
3	0.056	0.043	0.050	0.009	18.6	1.0	4.1	40.0	16.4	1.0	12.5	5.4	0.3
4	0.062	0.059	0.061	0.002	3.5	1.2	3.2	4.0	2.6	0.2	7.7	1.1	0.1
5	0.013	0.020	0.017	0.005	30.0	0.3	4.4	0.4	nc	nc	6.0	nc	nc
6	0.005	0.003	0.004	0.001	35.4	0.1	4.4	0.4	nc	nc	8.3	nc	nc
7	0.002	0.005	0.004	0.002	60.6	0.1	7.8	20.0	nc	nc	9.1	nc	nc
8	0.049	0.056	0.053	0.005	9.4	1.1	2.3	4.0	3.1	0.2	3.8	1.9	0.1
9	0.048	0.048	0.048	0.000	0.0	1.0	4.4	20.0	7.5	0.4	5.6	5.9	0.4
12	0.049	0.048	0.049	0.001	1.5	1.0	2.4	4.0	2.7	0.2	4.0	1.7	0.1
6 hour			RLU1	RLU2	Mean	St.Dev.	CV%	FOLD					
Solvent	DCM	10 uL	0.067	0.075	0.071	0.006	8.0	1					
Solv Mix	DMSO mix	10 uL	0.090	0.081	0.086	0.006	7.4	1					
Ref. Tox.	TCDD	1 ng/mL	1.844	1.699	1.772	0.103	5.8	25.0					
Applied 10 uL									Lipid Wt.	Final Ext.			
CAS #	RLU1	RLU2	Mean	St.Dev.	CV%	FOLD	(g)	Vol (mL)					
2	1.386	1.396	1.391	0.007	0.5	16.2	0.5	0.4					
3	0.072	0.072	0.072	0.000	0.0	0.8	4.1	40.0					
4	0.085	0.088	0.087	0.002	2.5	1.0	3.2	4.0					
5	0.080	0.093	0.087	0.009	10.6	1.0	4.4	0.4					
6	0.027	0.019	0.023	0.006	24.6	0.3	4.4	0.4					
7	0.008	0.008	0.008	0.000	0.0	0.1	7.8	20.0					
8	0.081	0.079	0.080	0.001	1.8	0.9	2.3	4.0					
9	0.049	0.049	0.049	0.000	0.0	0.6	4.4	20.0					
12	0.071	0.079	0.075	0.006	7.5	0.9	2.4	4.0					

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1998 AD Little Tissue Extracts													
January 11-12, 1999													
16 hour			RLU1	RLU2	Mean	St.Dev.	CV%	FOLD					
Solvent	DCM	10 uL	0.053	0.058	0.056	0.004	6.4	1					
Solv Mix	DMSO mix	10 uL	0.053	0.052	0.053	0.001	1.3	1					
Ref. Tox.	TCDD	1 ng/mL	6.671	5.660	6.166	0.715	11.6	110.1	Lipid	Lipid		Dry	Dry
Applied 10 uL							Lipid Wt.	Final Ext.	B[a]P Eq.	TEQ	Dry Wt.	B[a]P Eq.	TEQ
CAS #	RLU1	RLU2	Mean	St.Dev.	CV%	FOLD	(g)	Vol (mL)	ug/g	ng/g	(g)	ug/g	ng/g
1	0.139	0.129	0.134	0.007	5.3	2.5	3.4	0.4	0.5	0.0	9.9	0.2	0.01
10	0.063	0.065	0.064	0.001	2.2	1.2	2.7	4.0	0.3	0.0	4.4	0.2	0.01
11	0.068	0.066	0.067	0.001	2.1	1.3	0.8	4.0	1.1	0.1	2.4	0.4	0.02
LCS (10uL)	3.343	2.707	3.025	0.450	14.9	57.1							
DLCS(5uL)	2.449	2.792	2.621	0.243	9.3	49.4							
MB(10uL)	0.407	0.421	0.414	0.010	2.4	7.8							
6 hour			RLU1	RLU2	Mean	St.Dev.	CV%	FOLD					
Solvent	DCM	10 uL	0.043	0.055	0.049	0.008	17.3	1					
Solv Mix	DMSO mix	10 uL	0.085	0.070	0.078	0.011	13.7	1					
Ref. Tox.	TCDD	1 ng/mL	2.625	2.795	2.710	0.120	4.4	55.3					
Applied 10 uL							Lipid Wt.	Final Ext.					
CAS #	RLU1	RLU2	Mean	St.Dev.	CV%	FOLD	(g)	Vol (mL)					
1	0.087	0.243	0.165	0.110	66.9	2.1	3.4	0.4					
10	0.09	0.083	0.087	0.005	5.7	1.1	2.7	4.0					
11	0.156	0.129	0.143	0.019	13.4	1.8	0.8	4.0					
LCS (10uL)	3.190	3.396	3.293	0.146	4.4	42.2							
DLCS(5uL)	2.655	2.408	2.532	0.175	6.9	32.5							
MB(10uL)	5.094	3.175	4.135	1.357	32.8	53.0							

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1998 AD Little Tissue Extracts				Received more (of the same) extract from Kelso.									
January 18-19, 1999													
16 hour			RLU1	RLU2	Mean	St.Dev.	CV%	FOLD					
Solvent	DCM	2 uL	0.060	0.056	0.058	0.003	4.9	1					
Solv Mix	DMSO mix	5 uL	0.060	0.055	0.058	0.004	6.1	1					
Ref. Tox.	TCDD	1 ng/mL	3.908	4.365	4.137	0.323	7.8	71.3	Lipid	Lipid		Dry	Dry
Applied 5 uL								Lipid Wt.	Final Ext.	B[a]P Eq.	TEQ	Dry Wt.	B[a]P Eq.
CAS #	RLU1	RLU2	Mean	St.Dev.	CV%	FOLD	(g)	Vol (mL)	ug/g	ng/g	(g)	ug/g	ng/g
1	0.117	0.116	0.117	0.001	0.6	2.0	3.4	0.4	0.8	0.05	9.9	0.3	0.02
2	0.130	0.155	0.143	0.018	12.4	2.5	0.5	0.4	6.5	0.39	9.2	0.4	0.02
3	0.059	0.054	0.057	0.004	6.3	1.0	4.1	40.0	< 31.7	< 1.9	12.5	< 10.4	< 0.6
4	0.063	0.057	0.060	0.004	7.1	1.0	3.2	4.0	< 4.3	< 0.2	7.7	< 1.8	< 0.1
5	0.060	0.063	0.062	0.002	3.4	1.1	4.4	0.4	0.3	0.02	6.0	0.2	0.01
6	0.077	0.065	0.071	0.008	12.0	1.2	4.4	0.4	0.4	0.02	8.3	0.2	0.01
7	0.042	0.041	0.042	0.001	1.7	0.7	7.8	20.0	< 8.5	< 0.5	9.1	< 5.3	< 0.3
8	0.054	0.06	0.057	0.004	7.4	1.0	2.3	4.0	< 5.6	< 0.3	3.8	< 3.5	< 0.2
9	0.056	0.059	0.058	0.002	3.7	1.0	4.4	20.0	< 15.1	< 0.9	5.6	< 11.9	< 0.7
10	0.054	0.058	0.056	0.003	5.1	1.0	2.7	4.0	< 4.7	< 0.3	4.4	< 2.9	< 0.2
11	0.054	0.067	0.061	0.009	15.2	1.0	0.8	4.0	< 17.3	< 1.0	2.4	< 5.8	< 0.3
12	0.061	0.052	0.057	0.006	11.3	1.0	2.4	4.0	< 5.4	< 0.3	4.0	< 3.3	< 0.2
LCS (5uL)	0.618	0.687	0.653	0.049	7.5	11.3							
DLCS(10uL)	1.144	1.066	1.105	0.055	5.0	19.1							
MB(5uL)	0.215	0.207	0.211	0.006	2.7	3.6							

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1998 AD Little Tissue Extracts													
January 18-19 (con't)													
6 hour			RLU1	RLU2	Mean	St.Dev.	CV%	FOLD					
Solvent	DCM	2 uL	0.080	0.081	0.081	0.001	0.9	1					
Solv Mix	DMSO mix	5 uL	0.072	0.075	0.074	0.002	2.9	1					
Ref. Tox.	TCDD	1 ng/mL	2.047	2.109	2.078	0.044	2.1	25.7					
Applied 5 uL								Lipid Wt.	Final Ext.				
CAS #	RLU1	RLU2	Mean	St.Dev.	CV%	FOLD	(g)	Vol (mL)					
1	0.327	0.344	0.336	0.012	3.6	4.5	3.4	0.4					
2	0.893	0.948	0.921	0.039	4.2	12.4	0.5	0.4					
3	0.096	0.083	0.090	0.009	10.3	1.2	4.1	40.0					
4	0.066	0.074	0.070	0.006	8.1	0.9	3.2	4.0					
5	0.153	0.121	0.137	0.023	16.5	1.9	4.4	0.4					
6	0.122	0.082	0.102	0.028	27.7	1.4	4.4	0.4					
7	0.059	0.061	0.060	0.001	2.4	0.8	7.8	20.0					
8	0.077	0.076	0.077	0.001	0.9	1.0	2.3	4.0					
9	0.069	0.059	0.064	0.007	11.0	0.9	4.4	20.0					
10	0.078	0.074	0.076	0.003	3.7	1.0	2.7	4.0					
11	0.110	0.098	0.104	0.008	8.2	1.4	0.8	4.0					
12	0.078	0.070	0.074	0.006	7.6	1.0	2.4	4.0					
LCS (5uL)	1.915	1.908	1.912	0.005	0.3	25.8							
DLCS(10uL)	1.267	1.128	1.198	0.098	8.2	16.2							
MB(5uL)	1.594	1.327	1.461	0.189	12.9	19.7							