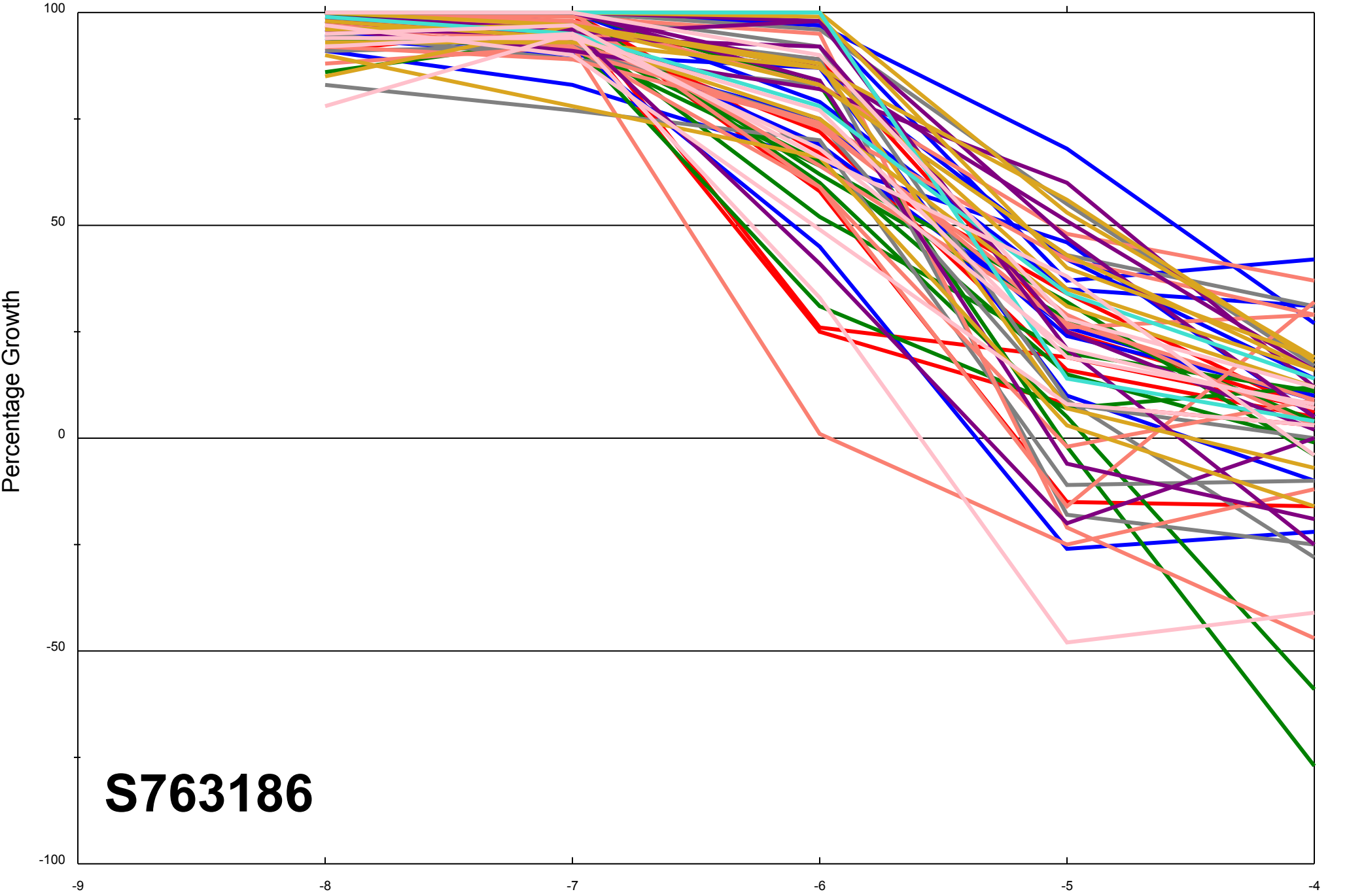


Dose Response Curves

Report Date:October 09, 2012

Test Date:February 06, 2012

All Cell Lines



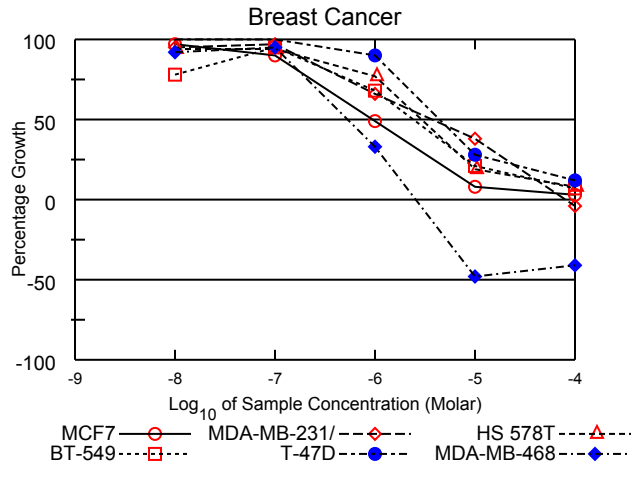
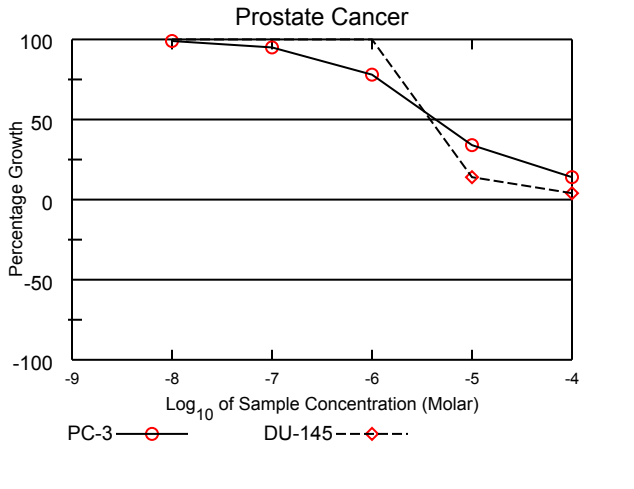
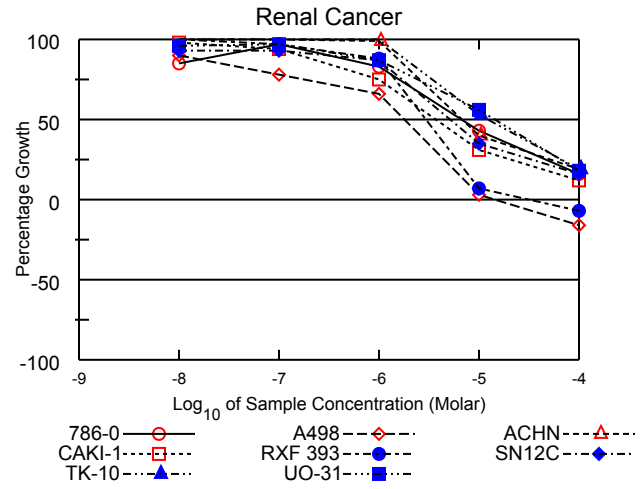
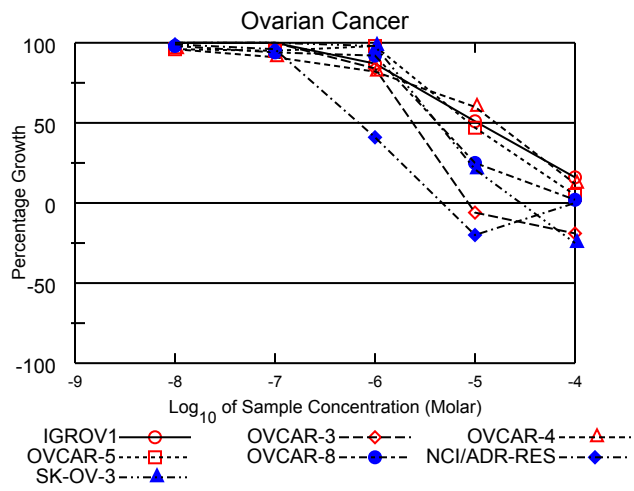
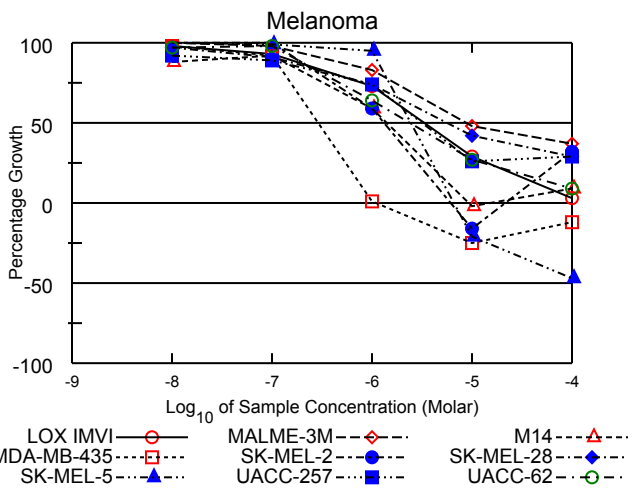
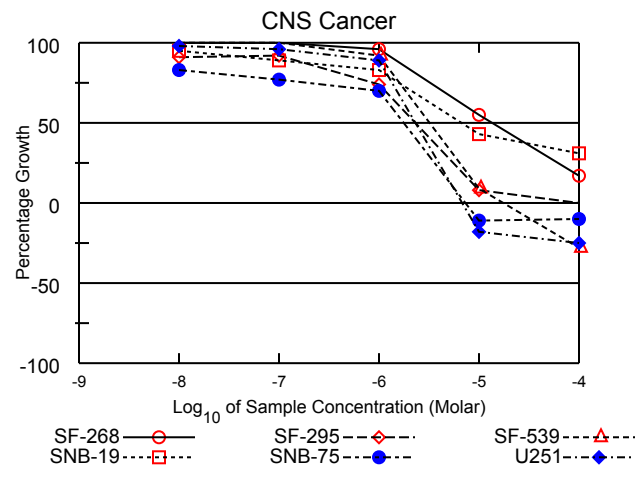
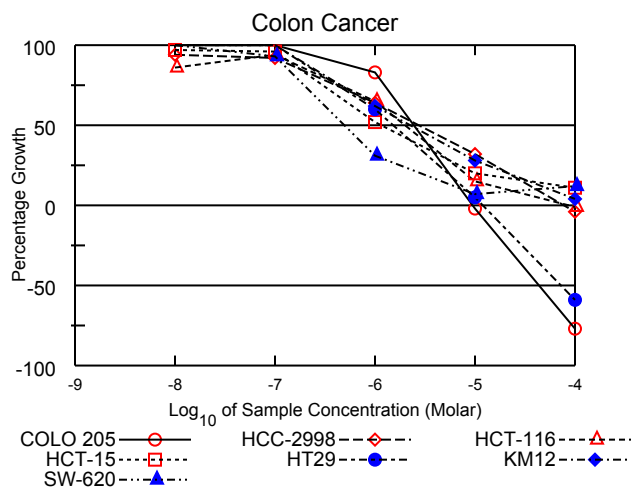
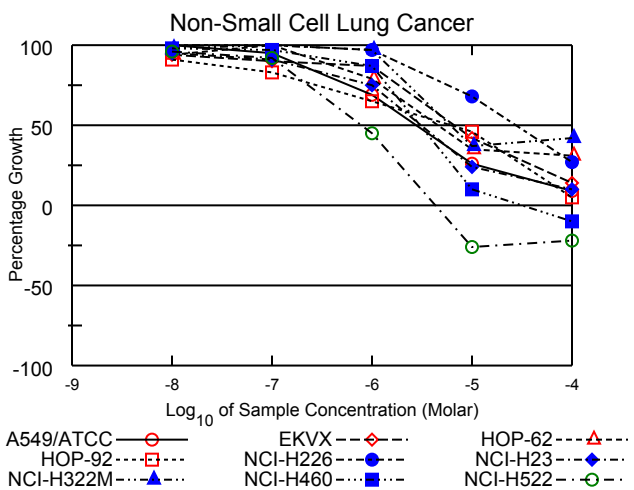
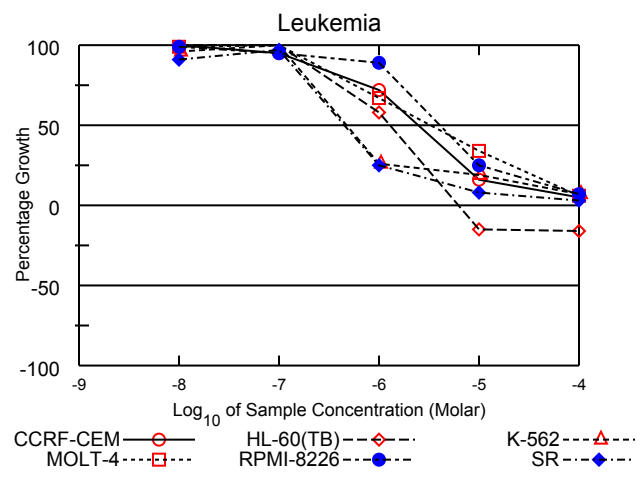
S763186

Log₁₀ of Sample Concentration (Molar)

Dose Response Curves

Report Date: October 09, 2012

Test Date: February 06, 2012



National Cancer Institute Developmental Therapeutics Program

In-Vitro Testing Results

NSC : 763186 / 1	Experiment ID : 1202NS06	Test Type : 08	Units : Molar
Report Date : October 09, 2012	Test Date : February 06, 2012	QNS :	MC :
COMI : A4563/0195189 (113925)	Stain Reagent : SRB Dual-Pass Related	SSPL : 0YAR	

Log10 Concentration															
Panel/Cell Line	Time		Mean Optical Densities					Percent Growth					GI50	TGI	LC50
	Zero	Ctrl	-8.0	-7.0	-6.0	-5.0	-4.0	-8.0	-7.0	-6.0	-5.0	-4.0			
Leukemia															
CCRF-CEM	0.645	2.337	2.355	2.253	1.859	0.921	0.734	101	95	72	16	5	2.47E-6	> 1.00E-4	> 1.00E-4
HL-60(TB)	0.983	2.492	2.690	2.739	1.863	0.836	0.829	113	116	58	-15	-16	1.30E-6	6.24E-6	> 1.00E-4
K-562	0.271	1.597	1.542	1.729	0.617	0.526	0.359	96	110	26	19	7	5.19E-7	> 1.00E-4	> 1.00E-4
MOLT-4	0.737	2.313	2.302	2.441	1.794	1.272	0.831	99	108	67	34	6	3.28E-6	> 1.00E-4	> 1.00E-4
RPMI-8226	1.142	2.902	2.890	2.809	2.713	1.579	1.266	99	95	89	25	7	4.07E-6	> 1.00E-4	> 1.00E-4
SR	0.496	1.595	1.501	1.567	0.768	0.584	0.531	91	97	25	8	3	4.49E-7	> 1.00E-4	> 1.00E-4
Non-Small Cell Lung Cancer															
A549/ATCC	0.315	1.369	1.420	1.313	1.039	0.590	0.411	105	95	69	26	9	2.74E-6	> 1.00E-4	> 1.00E-4
EKVX	0.799	1.606	1.555	1.528	1.499	1.137	0.913	94	90	87	42	14	6.58E-6	> 1.00E-4	> 1.00E-4
HOP-62	0.422	1.063	1.022	1.060	0.930	0.647	0.620	94	100	79	35	31	4.59E-6	> 1.00E-4	> 1.00E-4
HOP-92	1.041	1.510	1.467	1.431	1.348	1.258	1.066	91	83	65	46	5	6.35E-6	> 1.00E-4	> 1.00E-4
NCI-H226	0.716	1.687	1.702	1.689	1.658	1.380	0.981	102	100	97	68	27	2.80E-5	> 1.00E-4	> 1.00E-4
NCI-H23	0.547	1.640	1.590	1.543	1.364	0.811	0.658	95	91	75	24	10	3.08E-6	> 1.00E-4	> 1.00E-4
NCI-H322M	0.759	1.802	1.778	1.821	1.769	1.141	1.199	98	102	97	37	42	5.98E-6	> 1.00E-4	> 1.00E-4
NCI-H460	0.275	2.295	2.259	2.233	2.037	0.482	0.247	98	97	87	10	-10	3.04E-6	3.17E-5	> 1.00E-4
NCI-H522	0.691	1.589	1.558	1.521	1.098	0.513	0.539	96	92	45	-26	-22	7.96E-7	4.33E-6	> 1.00E-4
Colon Cancer															
COLO 205	0.335	1.253	1.379	1.324	1.099	0.327	0.076	114	108	83	-2	-77	2.44E-6	9.38E-6	4.32E-5
HCC-2998	0.457	1.621	1.551	1.533	1.203	0.832	0.438	94	92	64	32	-4	2.77E-6	7.69E-5	> 1.00E-4
HCT-116	0.169	1.580	1.388	1.500	1.088	0.382	0.168	86	94	65	15	-1	2.01E-6	9.17E-5	> 1.00E-4
HCT-15	0.211	1.404	1.364	1.358	0.829	0.451	0.340	97	96	52	20	11	1.14E-6	> 1.00E-4	> 1.00E-4
HT29	0.199	1.107	1.129	1.107	0.740	0.240	0.081	102	100	60	5	-59	1.49E-6	1.18E-5	7.15E-5
KM12	0.448	1.950	2.028	2.026	1.376	0.867	0.508	105	105	62	28	4	2.23E-6	> 1.00E-4	> 1.00E-4
SW-620	0.205	1.175	1.177	1.105	0.508	0.272	0.323	100	93	31	7	12	4.95E-7	> 1.00E-4	> 1.00E-4
CNS Cancer															
SF-268	0.554	1.672	1.732	1.755	1.631	1.165	0.750	105	107	96	55	17	1.33E-5	> 1.00E-4	> 1.00E-4
SF-295	0.857	2.371	2.240	2.244	1.976	0.984	0.860	91	92	74	8	.	2.32E-6	> 1.00E-4	> 1.00E-4
SF-539	0.739	1.903	1.943	2.001	1.816	0.849	0.529	103	108	92	9	-28	3.25E-6	1.77E-5	> 1.00E-4
SNB-19	0.598	1.763	1.707	1.635	1.565	1.101	0.956	95	89	83	43	31	6.74E-6	> 1.00E-4	> 1.00E-4
SNB-75	0.674	1.393	1.271	1.229	1.174	0.601	0.609	83	77	70	-11	-10	1.75E-6	7.32E-6	> 1.00E-4
U251	0.288	1.031	1.018	1.004	0.948	0.237	0.216	98	96	89	-18	-25	2.31E-6	6.80E-6	> 1.00E-4
Melanoma															
LOX IMVI	0.228	1.931	1.893	1.808	1.465	0.714	0.284	98	93	73	29	3	3.26E-6	> 1.00E-4	> 1.00E-4
MALME-3M	0.623	1.024	1.032	1.016	0.957	0.814	0.773	102	98	83	48	37	8.51E-6	> 1.00E-4	> 1.00E-4
M14	0.381	1.605	1.453	1.510	1.101	0.374	0.494	88	92	59	-2	9	1.40E-6	.	> 1.00E-4
MDA-MB-435	0.471	2.102	2.070	1.967	0.494	0.353	0.417	98	92	1	-25	-12	2.90E-7	1.13E-6	> 1.00E-4
SK-MEL-2	0.934	1.652	1.702	1.774	1.357	0.783	1.166	107	117	59	-16	32	1.32E-6	.	> 1.00E-4
SK-MEL-28	0.533	1.485	1.459	1.404	1.236	0.934	0.806	97	91	74	42	29	5.62E-6	> 1.00E-4	> 1.00E-4
SK-MEL-5	0.515	2.158	2.211	2.147	2.084	0.405	0.271	103	99	95	-21	-47	2.45E-6	6.56E-6	> 1.00E-4
UACC-257	0.687	1.338	1.289	1.266	1.172	0.853	0.875	92	89	74	26	29	3.16E-6	> 1.00E-4	> 1.00E-4
UACC-62	0.806	2.185	2.142	2.154	1.693	1.185	0.931	97	98	64	27	9	2.45E-6	> 1.00E-4	> 1.00E-4
Ovarian Cancer															
IGROV1	0.636	1.823	1.905	1.950	1.668	1.240	0.829	107	111	87	51	16	1.06E-5	> 1.00E-4	> 1.00E-4
OVCAR-3	0.467	1.390	1.442	1.479	1.241	0.441	0.380	106	110	84	-6	-19	2.39E-6	8.66E-6	> 1.00E-4
OVCAR-4	0.569	1.050	1.029	1.006	0.961	0.858	0.625	96	91	82	60	12	1.61E-5	> 1.00E-4	> 1.00E-4
OVCAR-5	0.706	1.740	1.698	1.690	1.721	1.194	0.763	96	95	98	47	5	8.80E-6	> 1.00E-4	> 1.00E-4
OVCAR-8	0.476	1.710	1.679	1.634	1.613	0.787	0.502	98	94	92	25	2	4.26E-6	> 1.00E-4	> 1.00E-4
NCI/ADR-RES	0.446	1.623	1.610	1.574	0.928	0.359	0.446	99	96	41	-20	.	6.84E-7	4.76E-6	> 1.00E-4
SK-OV-3	0.502	1.247	1.321	1.299	1.233	0.658	0.375	110	107	98	21	-25	4.20E-6	2.83E-5	> 1.00E-4
Renal Cancer															
786-0	0.623	2.378	2.121	2.324	2.074	1.372	0.903	85	97	83	43	16	6.56E-6	> 1.00E-4	> 1.00E-4
A498	1.194	1.881	1.816	1.727	1.650	1.217	1.001	90	78	66	3	-16	1.81E-6	1.47E-5	> 1.00E-4
ACHN	0.399	1.476	1.483	1.534	1.467	0.828	0.605	101	105	99	40	19	6.74E-6	> 1.00E-4	> 1.00E-4
CAKI-1	0.861	2.368	2.339	2.273	1.988	1.329	1.043	98	94	75	31	12	3.69E-6	> 1.00E-4	> 1.00E-4
RXF 393	0.572	1.116	1.146	1.101	1.050	0.610	0.532	106	97	88	7	-7	2.94E-6	3.11E-5	> 1.00E-4
SN12C	0.644	2.170	2.068	2.066	1.972	1.177	0.888	93	93	87	35	16	5.13E-6	> 1.00E-4	> 1.00E-4
TK-10	0.689	1.476	1.547	1.525	1.484	1.107	0.839	109	106	101	53	19	1.23E-5	> 1.00E-4	> 1.00E-4
UO-31	0.694	1.564	1.528	1.542	1.450	1.180	0.851	96	97	87	56	18	1.43E-5	> 1.00E-4	> 1.00E-4
Prostate Cancer															
PC-3	0.509	1.795	1.783	1.733	1.508	0.944	0.688	99	95	78	34	14	4.28E-6	> 1.00E-4	> 1.00E-4
DU-145	0.366	1.257	1.333	1.357	1.291	0.494	0.400	108	111	104	14	4	3.99E-6	> 1.00E-4	> 1.00E-4
Breast Cancer															
MCF7	0.294	1.563	1.524	1.436	0.920	0.399	0.333	97	90	49	8	3	9.62E-7	> 1.00E-4	> 1.00E-4
MDA-MB-231/ATCC	0.581	1.278	1.240	1.256	1.038	0.849	0.560	95	97	66	38	-4	3.75E-6	8.20E-5	> 1.00E-4
HS 578T	0.851	1.757	1.698	1.706	1.548	1.028	0.928	94	94	77	19	8	2.94E-6	> 1.00E-4	> 1.00E-4
BT-549	0.732	1.566	1.385	1.521	1.301	0.907	0.794	78	95	68	21	7	2.43E-6	> 1.00E-4	> 1.00E-4
T-47D	0.531	1.333	1.372	1.358	1.249	0.757	0.626	105	103	90	28	12	4.41E-6	> 1.00E-4	> 1.00E-4
MDA-MB-468	0.653	1.258	1.207	1.227	0.856	0.342	0.383	92	95	33	-48	-41	5.38E-7	2.58E-6	> 1.00E-4

Mean Graphs

Report Date :October 09, 2012

Test Date :February 06, 2012

Panel/Cell Line	Log ₁₀ GI50	GI50	Log ₁₀ TGI	TGI	Log ₁₀ LC50	LC50
Leukemia						
CCRF-CEM	-5.61		> -4.00		> -4.00	
HL-60(TB)	-5.89		> -5.20		> -4.00	
K-562	-6.28		> -4.00		> -4.00	
MOLT-4	-5.48		> -4.00		> -4.00	
RPMI-8226	-5.39		> -4.00		> -4.00	
SR	-6.35		> -4.00		> -4.00	
Non-Small Cell Lung Cancer						
A549/ATCC	-5.56		> -4.00		> -4.00	
EKVX	-5.18		> -4.00		> -4.00	
HOP-62	-5.34		> -4.00		> -4.00	
HOP-92	-5.20		> -4.00		> -4.00	
NCI-H226	-4.55		> -4.00		> -4.00	
NCI-H23	-5.51		> -4.00		> -4.00	
NCI-H322M	-5.22		> -4.00		> -4.00	
NCI-H460	-5.52		> -4.50		> -4.00	
NCI-H522	-6.10		> -5.36		> -4.00	
Colon Cancer						
COLO 205	-5.61		> -5.03		> -4.36	
HCC-2998	-5.56		> -4.11		> -4.00	
HCT-116	-5.70		> -4.04		> -4.00	
HCT-15	-5.94		> -4.00		> -4.00	
HT29	-5.83		> -4.93		> -4.15	
KM12	-5.65		> -4.00		> -4.00	
SW-620	-6.31		> -4.00		> -4.00	
CNS Cancer						
SF-268	-4.87		> -4.00		> -4.00	
SF-295	-5.64		> -4.00		> -4.00	
SF-539	-5.49		> -4.75		> -4.00	
SNB-19	-5.17		> -4.00		> -4.00	
SNB-75	-5.76		> -5.14		> -4.00	
U251	-5.64		> -5.17		> -4.00	
Melanoma						
LOX IMVI	-5.49		> -4.00		> -4.00	
MALME-3M	-5.07		> -4.00		> -4.00	
M14	-5.85		> -4.00		> -4.00	
MDA-MB-435	-6.54		> -5.95		> -4.00	
SK-MEL-2	-5.88		> -4.00		> -4.00	
SK-MEL-28	-5.25		> -4.00		> -4.00	
SK-MEL-5	-5.61		> -5.18		> -4.00	
UACC-257	-5.50		> -4.00		> -4.00	
UACC-62	-5.61		> -4.00		> -4.00	
Ovarian Cancer						
IGROV1	-4.97		> -4.00		> -4.00	
OVCAR-3	-5.62		> -5.06		> -4.00	
OVCAR-4	-4.79		> -4.00		> -4.00	
OVCAR-5	-5.06		> -4.00		> -4.00	
OVCAR-8	-5.37		> -4.00		> -4.00	
NCI/ADR-RES	-6.16		> -5.32		> -4.00	
SK-OV-3	-5.38		> -4.55		> -4.00	
Renal Cancer						
786-0	-5.18		> -4.00		> -4.00	
A498	-5.74		> -4.83		> -4.00	
ACHN	-5.17		> -4.00		> -4.00	
CAKI-1	-5.43		> -4.00		> -4.00	
RXF 393	-5.53		> -4.51		> -4.00	
SN12C	-5.29		> -4.00		> -4.00	
TK-10	-4.91		> -4.00		> -4.00	
UO-31	-4.84		> -4.00		> -4.00	
Prostate Cancer						
PC-3	-5.37		> -4.00		> -4.00	
DU-145	-5.40		> -4.00		> -4.00	
Breast Cancer						
MCF7	-6.02		> -4.00		> -4.00	
MDA-MB-231/ATCC	-5.43		> -4.09		> -4.00	
HS 578T	-5.53		> -4.00		> -4.00	
BT-549	-5.61		> -4.00		> -4.00	
T-47D	-5.36		> -4.00		> -4.00	
MDA-MB-468	-6.27		> -5.59		> -4.00	

MID
Delta
Range

-5.53
1.01
1.99

-4.3
1.65
1.95

-4.01
0.35
0.36

