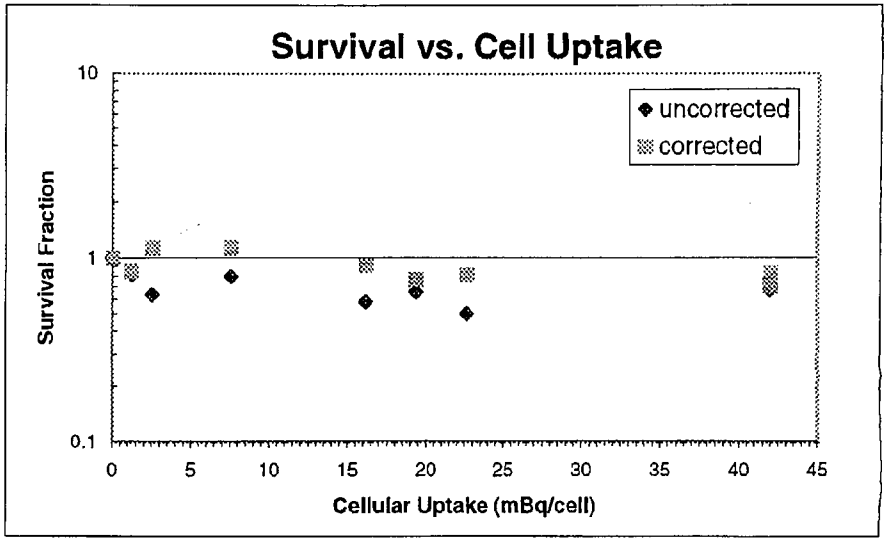
3H-100%.002

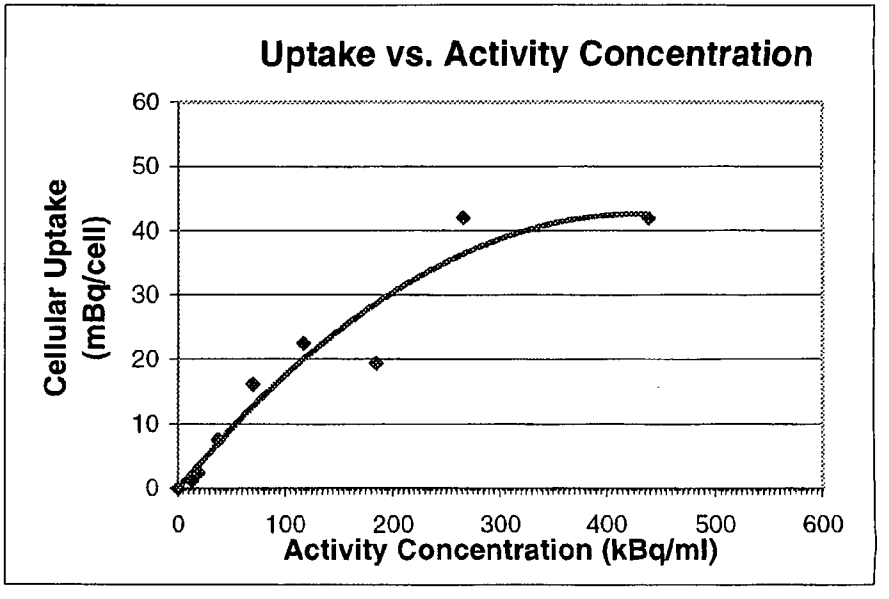
Summary

Prasad

Experiment:
Date/Time: 11/11/02

Tube #	Activity Conc. (kBq/ml)	Activity/Cell (mBq/cell)	Survival Uncorrected	Survival Corrected
1	*0.000*	*0.000*	*1.0000*	*1.0000*
2	*0.000*	*0.000*		
3	12.835	1.228	0.8065	0.8490
4	18.989	2.554	0.6323	1.1270
5	37.762	7.571	0.7935	1.1289
6	70.109	16.160	0.5742	0.9032
7	117.202	22.593	0.4968	0.8024
8	184.591	19.342	0.6516	0.7623
9	265.601	42.060	0.6968	0.8261
10	438.657	41.959	0.6710	0.7064





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3H-100%.002 | Parameters | Prasad

Date	11/11/02		
Experiment No.	3H-100%.002		
Investigator	Prasad Neti		
Cell Line	WB		
Modifier	None		
Radionuclide	3H-100%.002		
Half-life (days)	4500.45	I-125=59.408, H-3=4500.45, Po-210=138.376, I-131=8.04	
Radiation Yield	1	I-125=1.47, H-3=1.0, Po-210=1.0, I-131=0.812	
Radiochemical	Thymidine (Methyl-3H)		
Manufacturer/Lot	9/20/02		
Original Calibration Date/Time	9/20/02 13:39	Original Activity Concentration (MBq/ml)	37
Present Calibration Date/Time	11/11/02 19:45	Time Elapsed Since Original Calibration (d)	52.254167
Fraction of Cells Labeled	1	Present Activity Concentration (MBq/ml)	36.70
Liquid Scintillation Cocktail			
Volume of LSC Cocktail (ml)			
Volume/Type Counting Vial			
Model of Counter	Scintillation		
Counting Efficiency	0.5		
Activity Added (Date/Time)	11/11/02 19:45		
Cells Washed (Date/Time)	11/12/02 10:30	Time Elapsed Between Add and Wash (hr)	14.75
Medium Tubes Counted (Date/Time)	11/12/02 16:10	Time Elapsed Between Add and Count (hr)	20.42
Cell Tubes Counted (Date/Time)	11/18/02 10:24	Time Elapsed Between Wash and Count (hr)	143.90
Vol. Supernatant Counted (µl)	10		
Vol. Suspension Counted Cell Activity (µl)	100		
Vol. Suspension Coulter (µl)	100		
Coulter Manometer Volume (µl)	500		
Average Coulter Background Counts	7.333333333		
Coulter Calibration Parameter	400		
Hemocytometer Counting (Yes or No)?	No		

Background

Coulter 1	Coulter 2	Coulter 3
9	7	6

Experiment: 3H-100%.002
Date: 11/11/02

Tube #	Medium count (CPM) 1st	2nd	3rd	CPM Average	CPM corrected for control	DPM CPM/(y e)	At µCi/ml on counting	Ao µCi/ml at addition [At/e-0.693t/T]	Ao kBq/ml at addition
1	*15*			*10*	0	*0*	*0*	*0*	*0*
2	*5*				0	*0*	*0*	*0*	*0*
3	3860			3860	3850	7700	0.3468	0.3469	12.8350
4	5706			5706	5696	11392	0.5132	0.5132	18.9892
5	11337			11337	11327	22654	1.0205	1.0206	37.7616
6	21040			21040	21030	42060	1.8946	1.8948	70.1092
7	35166			35166	35156	70312	3.1672	3.1676	117.2020
8	55380			55380	55370	110740	4.9883	4.9889	184.5908
9	79680			79680	79670	159340	7.1775	7.1784	265.6015
10	131590			131590	131580	263160	11.8541	11.8556	438.6575

3H-100%.002 CellSuspension Prasad

Experiment: 3H-100%.002
Date: 11/11/02

Tube #	Suspension count (CPM) 1st	2nd	3rd	CPM Average	CPM corrected for control	DPM CPM/(y e)	A_t µCi/ml on counting	A_o µCi/ml after uptake	A_o kBq/ml after uptake
1	*7*	*8*	*6*	*7*	*0*	*0*	*0.00000*	*0*	*0.0000*
2	*8*	*5*	*8*		*0*	*0*	*0.00000*	*0*	*0.0000*
3	2539	2328	2641	2503	2496	4991	0.02248	0.02250	0.8327
4	2741	3495	2983	3073	3066	6132	0.02762	0.02765	1.0229
5	14233	11142	8813	11396	11389	22778	0.10260	0.10270	3.7998
6	19981	20872	25117	21990	21983	43966	0.19805	0.19823	7.3344
7	38653	22002	29157	29937	29930	59861	0.26964	0.26989	9.9860
8	39670	37903	28585	35386	35379	70758	0.31873	0.31902	11.8039
9	85906	79586	62250	75914	75907	151814	0.68385	0.68448	25.3257
10	73880	85340	96646	85289	85282	170563	0.76830	0.76901	28.4535

Experiment: 3H-100%.002
Date/Time: 11/11/02

Tube #	Coulter count 1st	2nd	3rd	Average	Cells/ml	Hemocytometer Count in Grid 1st	2nd	3rd	4th
1	*2239*	*2226*	*2222*	*2229*	*888667*				
2	*1432*	*1365*	*1269*	*1355*	*539200*				
3	1622	1703	1783	1703	678133				
4	1015	954	1057	1009	400533				
5	1278	1195	1313	1262	501867				
6	1172	1136	1118	1142	453867				
7	1143	1064	1130	1112	442000				
8	1585	1584	1430	1533	610267				
9	1509	1508	1521	1513	602133				
10	1705	1740	1663	1703	678133				

Tube #	Predicted # Cells Seeded	Actual # Cells Seeded	Colony count 1st	2nd	3rd	Average	PE (%)	SF Uncorrected	SF Corrected
1	200	*89*	*8*	*7*	*6*	*5*	*7.237*	*1.00*	*1.0000*
2	200	*54*	*4*	*3*	*3*				
3	2000	678	42	47	36	42	6.144	0.8065	0.8490
4	2000	401	32	33	33	33	8.156	0.6323	1.1270
5	2000	502	34	44	45	41	8.170	0.7935	1.1289
6	2000	454	32	30	27	30	6.536	0.5742	0.9032
7	2000	442	26	23	28	26	5.807	0.4968	0.8024
8	2000	610	32	37	32	34	5.517	0.6516	0.7623
9	2000	602	39	34	35	36	5.979	0.6968	0.8261
10	2000	678	37	38	29	35	5.112	0.6710	0.7064

3H-100%.002

Summary

Prasad

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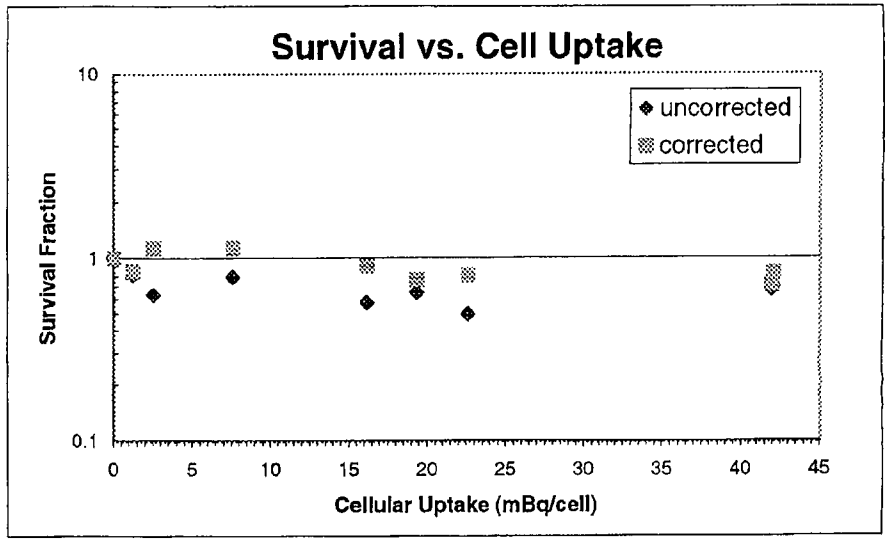

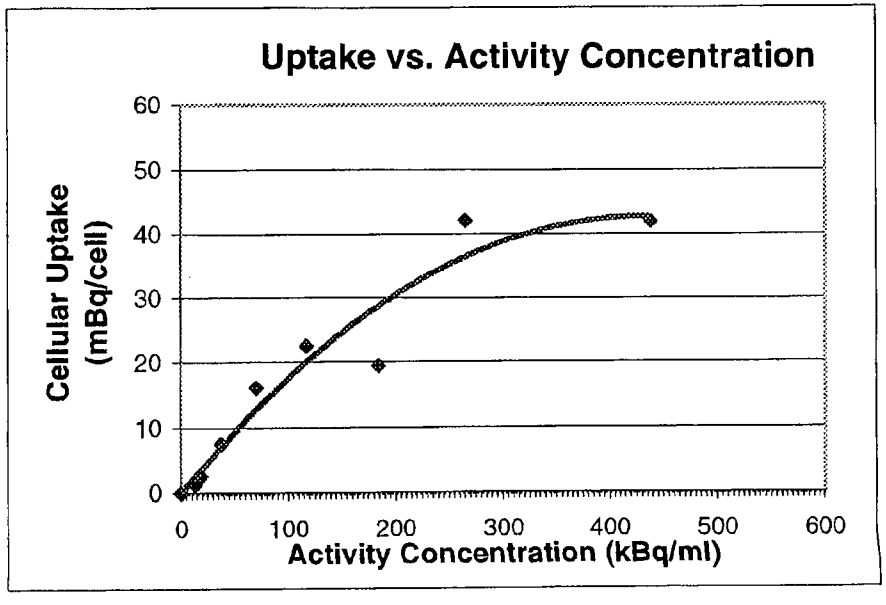

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