

Exp. 7

P-32 + 5% DMSO at 50°F V79 cells

9/29/95

Purpose: Repeat: Capacity of DMSO to protect against chronic P-32 irradiation over 3 days.

Procedure: - Prepare cells 4×10^5 /ml, ~~10%~~ put on ice

- Prepare 10% DMSO in MEMA (0.6 ml DMSO + 5.4 ml MEMA) - ~~put~~ ^{put} on ice
- Prepare tubes as described below while on ice (same P-32 as Exp. 6)
- Roll tubes 3 days @ 50°F in refig. (tight caps)
- 10/1/95 Remove tubes, add 5ml ^{wash} MEMA, spin at 2000rpm 4°C
- Remove 100µl aliquot, ~~don't~~ 3x10µl aliquots into 1.5- scint vials
- Wash 3X with 10ml MEMA wash
- ~~3x100µl~~ Resusp. in 2ml MEMA, syringe, Coulter Count, seed, 3x100µl cells in liquid scint.

Tube #	MEMA with 10% DMSO (µml)	MEMA ml	MEMA 4×10^5 cells/ml	App. Rad Dose	µCi P-32	µl P-32	Dilutions per plate
1	1	0	1	0	0	0	200
2	1	0	1	0	0	0	200
3	1	0	1	250	5.9 9.15	9.15	200 2000
4	1	0	1	750	17.6 27.3	27.3	2000, 20000
5	1	0	1	1250	29.4 45.6	45.6	2000, 20000
6	0	1	1	0	0	0	200
7	0	1	1	0	0	0	200
8	0	1	1	250	5.9 9.15	9.15	200
9	0	1	1	750	17.6 27.3	27.3	2000, 20000
10	0	1	1	1250	29.4 45.6	45.6	2000, 20000

Cell Counting

Exp. 7

10/1/95

Group #	# of cells	Ang.	Total # of Cells/ml	Dose	# of Cells Plated
1	493,490	492	1.96×10^5	0	1.2
2	507,517	512	2.05×10^5	0	2.2
3	517,520	518.5	2.07×10^5	250	3.2
4	591,588	590	2.36×10^5	750	4.2, 4.3
5	537,529	533	2.13×10^5	1250	5.3
6	505,538	522	2.09×10^5	0	6.2
7	543,541	542	2.17×10^5	0	7.2
8	492,500	496	1.98×10^5	250	8.2
9	426,458	442	1.77×10^5	750	
10	481,453	467	1.87×10^5	1250	