Experiment 1

^{125}IUdR + 5% DMSO at 50°F & 37°C V79 Cells 11/30/95

- Trypsinize cells, resuspend in MEMB & dilute to 4×10^5/ml
- Aliquot 1 ml cells into 10 tubes, place on roller 37°C, 5% CO_2 5pm
- ~~Remove tubes~~ Add ^{125}IUdR as indicated below in Table 10pm
- Remove cells from roller, spin down, 3 x 10µl onto tissues 10 am
- Wash 3X w/ cold wash MEMA (centrif. refrig. 2000rpm/10min)
- Resusp. 2 ml MEMA w/ or w/o DMSO, syringe 3X, 3x100µl γ tubes, 1x100µl Coulter, ~~Aqua~~

Place on roller at 50°F at 1pm

Preparation of 5% DMSO MEMA: Need 10 ml so prepare 11 ml. 0.55 ml DMSO + 10.45 ml MEMA

Preparation of 0.2 µCi/ml ^{125}IUdR from 1 µCi/µl ICN ^{125}IUdR in H_2O

Take 1µl of stock and add to 5ml of MEMB

Count 10µl aliquots in NaI 3757 cpm, 3738 cpm => 0.2₄3 $\frac{\mu Ci}{ml}$ ✓

Dilute by factor of 2 to get 0.1₁5 $\frac{\mu Ci}{ml}$

	ml MEMB 4×10^5 cells	ml MEMB 0.1 µCi/ml	ml MEMB	ml MEMA 5% DMSO	ml MEMA 0% DMSO	Coulter Counts
1	1	0	1	2	0	1312, 1323, 1247
2	1	0	1	2	0	1216, 1210, 1237
3	1	0.1	0.9	2	0	1218, 1179, 1234
4	1	0.3	0.7	2	0	1145, 1208, 1166
5	1	1	0	2	0	1142, 1128, 1088
6	1	0	1	0	2	1153, 1122, 1136
7	1	0	1	0	2	1245, 1111, 1217
8	1	0.1	0.9	0	2	1233, 1233, 1204
9	1	0.3	0.7	0	2	1153, 1174, 1170
10	1	1	1	0	2	998, 977, 994