

<sup>131</sup>IUDR is HPLC of Poded Synthreabs 1, 2, 3  
Solvent 90% H<sub>2</sub>O 10% MeOH

<sup>131</sup>IUDR + 5% DMSO

Exp 3

4/21/97

- trypsinase, resusp in MEMB @ 400,000 cells/ml 3:30pm
- roll 4h at 37°C, 5% CO<sub>2</sub>
- Add activity at 7:30 pm according to table

Tube	ml MEMB 400,000/ml	MEMB 0.00403 $\frac{\mu\text{Ci}}{\mu\text{L}}$	MEMB	$\frac{\mu\text{Ci}}{\mu\text{L}}$
1	Fell off roller			
2	1	0	1	0
3	1	247.8	752	0.5
4	1	496	504	1
5	1	991	10	2
6	1	0	1	0
7	1	0	1	0
8	1	247.8	752	0.5
9	1	496	504	1
10	1	991	10	2

Murt's assay: MEMB + <sup>125</sup>IUDR 0.00403  $\frac{\mu\text{Ci}}{\mu\text{L}}$

- Return to roller at 37°C 7:30pm, 5% CO<sub>2</sub>

<sup>131</sup>IWR + 5% DMSO  
Exp 3

4/22/97

- At 7:30 am, remove from roller
- Centrif. 10 min, 2000 rpm, 4°C
- Transfer 100µL super to gamma tubes
- 3x 10µL onto tissues for medium activity conc.
- Decant remaining
- Wash 3X with 10µL cold wash MEMA
- Resusp in 2 µL MEMA ± 5% DMSO (ice cold)
- Tubes 2-5 5% DMSO
- Tubes 6-10 No DMSO
- Syringe 5X
- Transfer 0.5 µL to glass tube
- 3x 100µL to 3 tubes for cell activity
- 1x 100µL to Coulter cup
- Cap tightly
- Place on roller at 11°C 10:30 am

<sup>131</sup>IWR + 5% DMSO  
Exp 3

Coulter

4/22/97

Cell Counts After 12 h roll :

- 2) 1010, 1119, 1040
- 3) 1085, 1086, 1080
- 4) 988, 888, 936
- 5) 924, 924, 908
- 6) 1031, 1029, 1008
- 7) 1014, 1040, 1015
- 8) 1021, 967, 968
- 9) 898, 926, 910
- 10) 834, 887, 882

Post 12 hr roll

Activity Counts <sup>10</sup> ~~1000~~ ~~cell suspension~~ medium

~~1000~~,  $EFF = 0.176$ , Yield = 0.377

4/22/97 1:30 pm

- 2) 0
- 3) 955, 959, 991
- 4) 2213, 1805, 1880
- 5) 3916, 3819, 4038
- 6) 0
- 7) 0
- 8) 891, 1019, 995
- 9) 1828, 1505, 1833
- 10) 3553, 3703, 3737

<sup>131</sup>Iodine + 5% DMSO  
Exp 3

4/22/97

Post 12h roll

Activity Counts in Cells (100µL)

4/22/97 1:45pm

HPGe, Eff = 0.176, Yield = 0.371

2) 0

3) 4674, 4916, 4883

4) 9113, 9484, 9230

5) 18583, 19150, 19311

6) 0

7) 0

8) 4748, 4949, 4843

9) 10219, 10088, 10393

10) 20819, 19795, 20171

Colonies:

1.2 —

2.2 22, 19, 25

3.4 18, 19, 20

4.4 9, 12, 15

5.4 8, 9, 17

6.2 12, 18, 21

7.2 10, 15, 17

8.4 4, 5, 7

9.4 4, 4, 7

10.4 1, 1, 2

I-131 Udr Survival 3.

Cell counts after 72 h rolling Before plating

- 1. 631, 570, 582
- 2. 567, 589, 579
- 3. ~~619~~
- 4. 619, 572, 578
- 5. 613, 675, 590

- 6. 652, 602, 598
- 7. 479, 469, 468
- 8. 472, 460, 437
- 9. 396, 422, 427
- 10. 434, 397, 454

found small cracks on the tubes

Activities counting in cells : CPM in 200ul cell susp.

- 3. 6414, 6184, 6499  
~~3781, 3214, 5760~~
- 4. 13448, 13529, 13908
- 5. 27326, 28307
- 8.
- 9.
- 10.