



7. Return test tubes to roller for 12 h **Date/Time:**
8. Next day, while test tubes are in roller label 8 tubes (13 X 100 mm VWR glass test tube)
9. After ~12 h incubation period, remove tubes and centrifuge at 2000 rpm at 4°C for 10 min  
**(precooled centrifuge).** **Date/Time:**
10. Remove buckets from centrifuge and carefully remove 150 µl of supernatant and place in prelabeled tubes.
11. Decant supernatant, click tubes, vortex, resuspend in 10 ml wash MEMA
12. Centrifuge tubes for 10 min at 2000 rpm, 4°C
13. Decant supernatant, click tubes, vortex, resuspend in 10 ml wash MEMA
14. Centrifuge tubes for 10 min at 2000 rpm, 4°C
15. Decant supernatant, click tubes, vortex, resuspend in 10 ml wash MEMA
16. Centrifuge tubes for 10 min at 2000 rpm, 4°C
17. Decant supernatant, click tubes, vortex, resuspend in 2 ml of PBS, syringe and perform cell count as well as radioactivity count by transferring aliquots.
18. Add 8 ml of PBS in each tube, vortex and transfer the content to 15-ml plastic centrifuge tube
18. Centrifuge tubes for 10 min at 2000 rpm, 4°C
19. Decant supernatant, click tubes, vortex
20. Add 2 ml of 0.05 or 0.1 µM CFDA in prewarmed PBS as per the Table and only PBS in the remaining tubes.
21. Incubate all tubes at 37°C for 15 min.
21. Centrifuge tubes for 10 min at 2000 rpm, 4°C
22. Decant supernatant, click tubes, vortex, add 2 ml prewarmed MEMA
23. Incubate all tubes at 37°C for 30 min.
24. Centrifuge and decant the supernatant, suspend in 5 ml MEMA
25. Transfer the content from tubes 1-4 to 5-8 (1 to 4; 2 to 5... etc)
26. Centrifuge, decant the supernatant
27. Transfer the cell suspension in polypropylene microcentrifuge tubes with attached caps (Helena Plastics, 400 µl) using 200 µl pipet tips
28. Again add 200 µl cold MEMA, resuspend and transfer the cell suspensions in the same polypropylene microcentrifuge tubes (Total volume ~400 µl)
29. Centrifuge tubes for 5 min at 1000 rpm, 4°C
30. Transfer tubes at 10°C for 72 h. **Date/Time:**
31. After 72 h, carefully remove the supernatant from the top, resuspend pellet in 200 µl wash MEMA and transfer the content to eight 15 ml tubes containing 10 ml PBS by using pasteur pipet **Date/Time:**

32. Again add 200 ul PBS in microcentrifuge tubes, resuspend and transfer the cell suspensions in 15 ml tubes
33. Centrifuge the tubes for 10 min at 2000 rpm, 4°C (*precooled centrifuge*)
32. Decant supernatant, click tubes, vortex, pooled cells from **two** tubes, centrifuge, decant the supernatant, resuspend in 2 ml PBS with 0.005 mM EDTA, syringe and transfer aliquots (100 ul) for cell count and radioactivity count
33. Centrifuge, decant, resuspend in 1 ml PBS with 0.005 mM EDTA to have ~10,000,000 cells/ml for each tube and transfer ~1ml in Falcon 12x75 mm polystyrene 6 ml tube, wrap the tubes with aluminium foil, put in ice and transfer for FACS study.

06/09/00

Preparation of 0.1 μM COCF in PBS

- ① Take the component A and B, thaw them
- ② Add 90 μl of DMSO from component B to component A. (Final conc = 10 mM)

~~$$S_1 V_1 = S_2 V_2$$

$$10,000 \times V_1 = 0.1 \times 8$$

$$V_1 = \frac{0.1 \times 8}{10000}$$

$$= 0.$$~~

- ① Take 5 μl of 10

$$S_1 V_1 = S_2 V_2$$

06/19/00

$$10,000 \times V_1 = 10,000 \times 10 \mu\text{l}$$

$$10 \mu\text{l} + 10 \mu\text{l} \Rightarrow 10 \mu\text{M}$$

↓

1:10

~~200~~

$$300 \mu\text{l} \rightarrow 3 \mu\text{l}$$

1 μM of COCF

~~846~~  
703  
663

~~737~~  
683

2,732,000 cells

1715, 1714, 1748

1725

$$1725 \times 4000 = 6,900,000 \text{ Cells/ml}$$

$$2,200,000 \text{ Cells/ml} \times (0) = \frac{22000000}{6900,000}$$

$$= 3.2 \text{ ml}$$

3.2 cells + 6.8 ml MEMB

= 511, 414,

06/09/00

MS = some

1	157,	164,	133	} in 2nd	Call count 789, 791, 789
2	155,	173,	156		
3	154,	136,	152		
4	131,	123,	119		
5	161,	152,	166	}	690, 714, 679
6	139,	176,	128		
7	132,	142,	155		
8	137,	168,	176, 155		

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