

MAseI

March 13th, 2023

2023_ILT_02

Specimen	Status	Location	Conc	Date	Tasks	Volume	Ly	Ly+Mon	Total	3E+6	.3E+6
Info70-7 a-3	HU ♀ RWKA	Box 12A	44.8 μ l	(3)		2	1.77 μ l	2.47	3.54 4.94		
Inf374-4 a-7	HEU-106 SVHY	Box 9B	19 μ l	(4)		2	3.85	5.45	7.7 10.9		
Info39-2	HEU-h ♀	Box 2A	25 μ l	(5)	clump	2	3.64	6.56	7.28 13.12		
ND050	Adult Normal,		20EG 25 μ l	1-13-23 (1)		2	4.09	5.93	8.18 11.86		
ND006	Adult sc's		15EG 17 μ l	1-20-23 (2)		2	5.87	7.51	11.74 15.02		
Info70			11.29 μ l	(3)		1	6.51	9.37	6.51/4.4		
Inf374ab	SVH2		8.46 μ l	(1)		1	7.49	11.0	7.49/11		
Info39a2	RUTS		9.58 μ l	(2)		1	8.78	13.0	8.18/13		

8:04 am Guava cleaning
8:18 am specimen pull
8:28 am Thaw
8:46 am Spin
9:03 am DVase
9:14 am stain for count
10:01 am 2nd thaw:
10:09 am spin
10:23 am PNH2
10:29 count stain
10:47 count done
11:43 at holding conc
11:56 am CD107a
12:09 pm Added PMA,
into incubator
6:09 pm

2nd set: Too concentrated (

3*3 = 9 + 1.5

Inf070	10.05	14.34
Inf374	15.19	21.90
Inf039	16.06	26.20

0 0 0 0 (0 million)
<2.5>
0 0 0 0 (3 million 1st)
<3>
0 0 0 0 (4 million 1st)
<3>
Vaz.2 Vaz.2
0 0 (3.2)
<3> <2.1>

ND050

ND006

0 0 0 <2.74>
3M 2.5 1.5

1M
(298)

Inf070 = 3.35

Inf374 = 5.06

Inf039 = 4.35

ND050

ND006

769 μ l
592 μ l
689 μ l
733 μ l
511 μ l

20.5
x 9

20.5
x 9

15
x 8

14 + 6 = 20

184.5 PBS
- 9.6 Vaz.2
12.0 Vaz.2
162.9 PBS
21.6 at 0.5

184.5 PBS
- 4.0
- 4.0
176.5 Rem
wash

12.0 ml
LD NR2
5 μ l in 12.5 ml

6,000
mls RBC
lyse

Combination CD107a

Ab prep @ 4:43 pm

Prepped @ 5:56 pm

Sample spin @ 6:19 pm

LD @ 6:36 pm \rightarrow 54 pm

Sc's aliquoted & spinning @ 6:43 pm

7:17 pm Hot samples
 \rightarrow 47 pm

37°C Sc's @ 7:26 pm \rightarrow 54 pm

4°C Sc's @ 7:41 pm \rightarrow 8:11 pm

Samples spin 1400 rpm Guava @ 7:52 pm

Tetr @ 8:09 pm \rightarrow 8:49 pm
Vaz.2 @ 8:21 pm

Sc's Fix Rem @ 8:28 pm \rightarrow 8:58 pm \rightarrow 8:48 pm

Samples cold @ 9:08 pm → 10:38 pm

1st sc PermWash @ 1400 rpm 6 min

2nd sc PermWash @ 9:20 pm (1500 G min)

Most sc's 30 μ l PFA @ 9:41 pm

Rbc lyse samples @ 9:45 pm

Samples final FBS wash @ 9:50 pm

Sc intras @ 9:57 → 10:37 pm

25-01-1 0702

Samples Fix Perm @ 10:05 → 15 → 25 pm

Combined PermWash @ 10:44 pm

<5H → <19.57

Sc's done @ , w/ 30 μ l 0.4% PFA

Samples into intracellular @ 10:58, → 11:38 pm

Final spin 11:41 pm

Done @ 11:52 pm, cells resuspended in 50 μ l

<16 hrs>

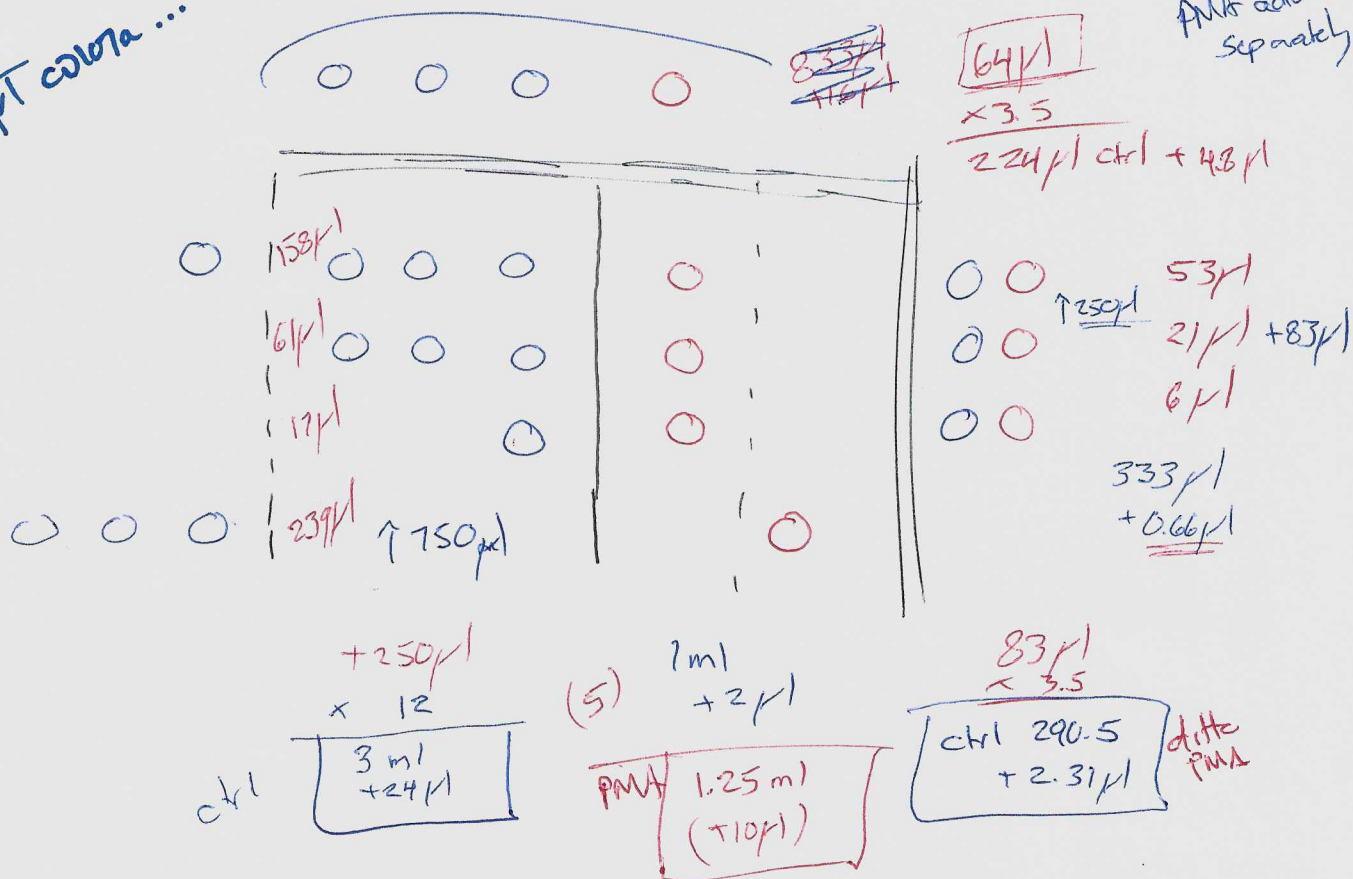
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15
x 6 pl
90 pl colora ...

added individually

PMMA add
separately



... 10/10/00
10/10/00
10/10/00

CD56 sc Got 27/ instead 1/1
Cold 161 got a cold skin instead hat

Simplified Protocol

Thaw cells, DNase, count

Collect, count, aliquot cells 2.3.0E+6 Cells R10 / 5ml polystyrene tube
Bring volume upto 1 ml R10, add 2 ul PMAcfrl and CD107a
Cap and incubate at 37°C for 6 hours

Wash with 2 ml PBS, spin down 1300 rpm 8 min

Wash 2 ml 5% PBS-FBS, spin 1300 rpm, 8min

Add HotStain mix, incubate @ 37°C for 20 min

Wash 2 ml 5% PBS-FBS 1400 rpm, 6 min

Add Tetramers, incubate @RT for 10 min

Figure 1

Add ColdStain mix, incubate @ 4C for 30min

Wash 2 ml 5% PBS-FBS 1400 rpm, 6min

300 µl BD FixPerm incubate @ 4°C for 20min

(vortex every 10

First PermWash: 1 ml PermWash

.....

Add intracellular stain, incubate @ RT for 40min

Cap tubes. wrap rack in foil store at 4°C

11

 $+ 7000$

1000

011

1

3/13/2023

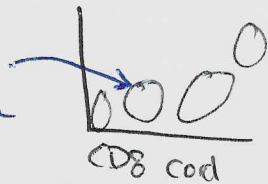
[illegible]

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1:45 PM sc acquisition 30 μ l, 309000 events
Sc's all ND006 or Inf374 ... - CD107a ND050 FMA
26.00 μ l/min \sim 160,000 cells

Dead
by
Zombie



no RBC lyse?
Yes Fixed Permed

CD69 ND006 ... TBD

BW015 ... alternate stain? yes CD3/beads...
... bulk pop negative ... enough events enough cells
for positive

1/2 hour to get to CD86 no unstained)

1 hour mark all sc's - 3 unstained (had add 2 ref, so essentially 1 hr !!)

there's a bit more pronounced Blue peak AF for ND050 ctrl unstained

Sc's done @ 2:51 pm

2:56 unstained sample 1:56 \rightarrow 850,000/1,000,000 recovery

Does incorporating in AF into sc signal make more difficult
to separate? or does force separation @
the more distinctive sections?

039 more dead cells, especially after FMA-ionomycin //

Samples @ 3:12 pm

Done @ 3:52 pm (2:07:00 minutes)

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Initial unmexing: NDOOG or Inf 374 sds
General AF extract

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