

September 27th, 2024

Va7.2/CD127 barbers +
bonus PDI RBG13 test

Specimen	Status	Location	Conc	Date	Notes	Volume	CD45+	Total	Resuspension
N4071	Adult		15E6	4-11-23		2	7.2E6	14.6	↑4.7 total
N4072	4 th Litter Adult Yesterday					1	9.9E6	9.9	↑3.3 total

Friday

Start @ 9:32 AM

DNase @ 9:53 AM

Stance @ 10:01

Traffic Jam Auroras

To Rest Suspension @ 10:22 AM

Antigen start @ 4:22 PM

Antigen/CD107a added @ 4:49 PM

Colgi @ 6:54 PM → 6:49 PM → 6:52 AM

N4071
ctrl 00 ctrl 000
SEB 0 SEB 0

N4072
ctrl 0 ctrl 0
SEB 0 SEB 0

11x10 = 110 PL

6:6:114 PL
Brief Note: R10

11:38 AM Samples Fix

→ 48 → 58 → 12:08 PM

12:12 PM Final SE wash

2nd sample Perm wash

12:21 PM SCS done, resuspended in 20 PL
0.4% PFA - PBS

Intra Samples @ 12:31 PM

3rd Perm wash @ 1:11 PM

Done @ 1:30 PM

Saturday

Badge access issues

Arrived @ 6:58 AM

Sample spin 7:06 AM

SC spin 7:23 AM

Ab pep @ 7:44 AM

Done 8:16 AM

Reagents @ 8:31 AM

Start @ 8:57 AM

WD @ 9:03 AM

Cold SCS @ 9:15 AM → 45 spin @ 9:47 AM

Hot SCS @ 9:26 AM → 56 spin @ 9:58 AM

Samples Hot @ 9:44 AM → 10:11 spin @ 10:14 AM

SCS Fix @ 10:11 → 21 → 31 → 41 spin @ 10:46 AM

Samples cold @ 10:23 AM → 10:53 AM

11:03 AM Final 2nd Perm wash for SCS

11:12 AM start cold RBG wash for samples

11:21 AM wash SCS away

11:24 AM intra SCS → 12:04 PM spin 12:05 PM

11:29 AM stop wash samples

Acquisition @ 4:50 (after ramp/starting around 4 PM)
ctrl SCS 2,300 cells/sec

BUGS AB ≠ working
(or too little)

RBG13 seems dim

Is anything skewing?

Horrid AF profile

mostly dead

old cells ≠ culture

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SFB units $10 \leftarrow 1 \text{ ml} = 100 \mu\text{L}$

ctrl units $36 \leftarrow 3\text{ml} = \uparrow 600\text{pL}$
2 then 100pL

$$\begin{array}{r} 2 \text{ SCs beads} + 1 \text{ unst} = 3 \\ 30 \text{ SCs cells} + 4 \text{ unst} \\ - 5 \text{ intrac} \\ \hline 25 + 4 = 29 \\ \underline{5} \text{ intrac} \end{array}$$

5 samples $\times 4 \times 1.5 = 30 \text{ ml}$

$$37 \text{ sec} \rightarrow \frac{0.75}{1.0} =$$

27.5 ml FBS-PBS

$$5 \times 0.8 = 4.0$$

$$37 \times 0.4 = \underline{14.8}$$

12.8 mls
4.7 mls Fox
14.1 mls Diluent

$$S = 1.5 \times 4 = 30.0$$

$$2a \geq 0.75 \times 2 = 21.75$$

$$5 + 0.75 \times 4 = 15.00$$

66.75

6.67

60.08 mls H₂O
+ 6.67 mls Perm Wash


$$\begin{array}{r} 300 \\ \times 5 \\ \hline \end{array}$$

1.5 ml

1.35 ml H₂O
+ 150 μ L RBC lysis

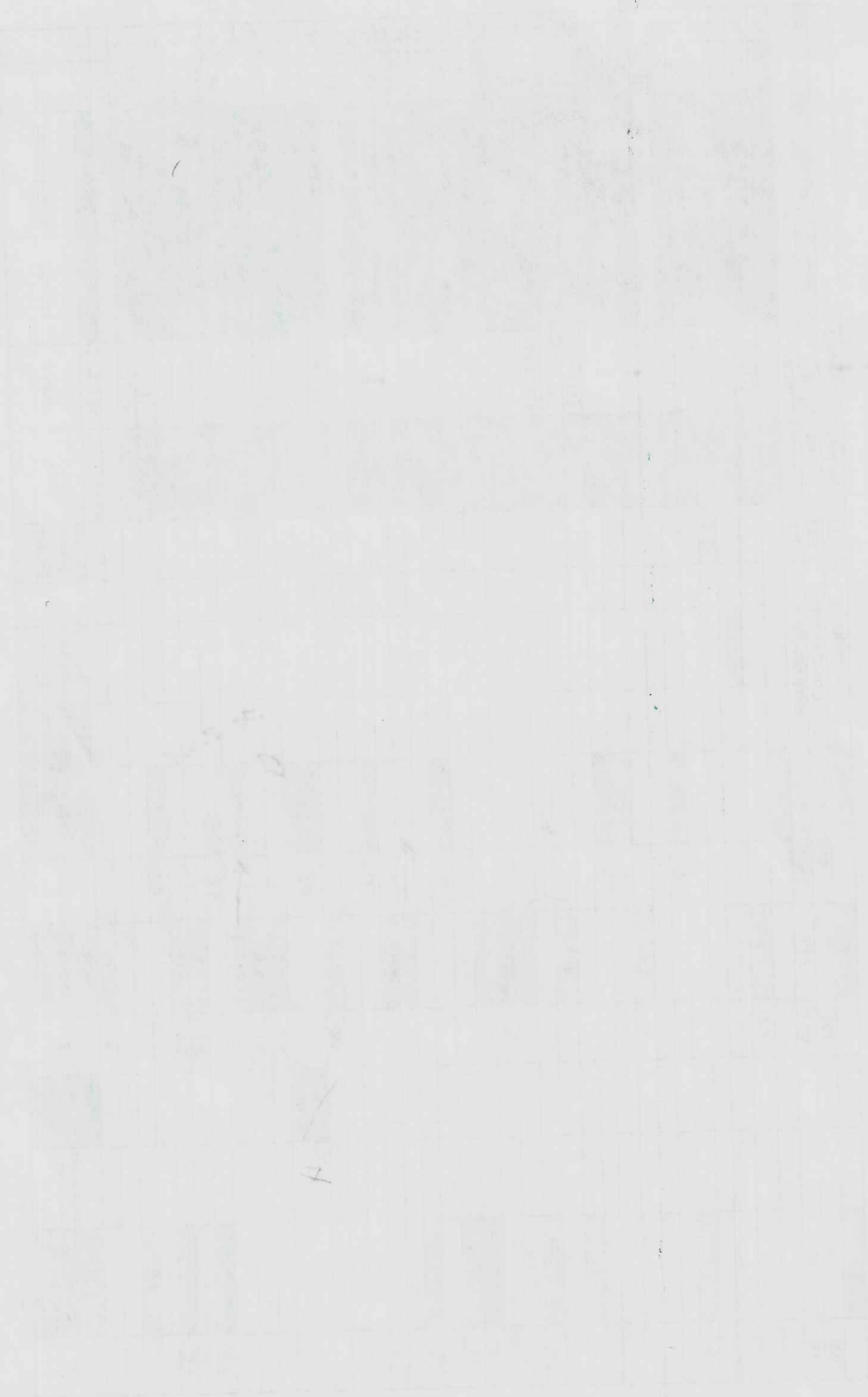
6 x 8 = 5.8 mL
PBS
+ 2 μ L
Zambi

Samples' got all d. firebrands
@ the hot stage
↓
(sc's popped @ respective temps) //



 H21.12
 H21.13
 H21.14
 H21.15

Wash with 2 ml PBS, spin down 1300 rpm 8min
 800 ul of Live/Dead mix (1:2500) @RT for 15min
 Wash 1.5 ml 5% PBS-FBS, spin 1300 rpm, 8min
 Add CD161 biotin antibody for 10 minutes at RT
 Add HoeStain mix, incubate @ 37C for 30min
 Wash 1.5 ml 5% PBS-FBS 1400 rpm, 6min
 Add ColdStain mix, incubate @ 4C for 30min
 Add 300-500 ul 1x RBC lysis for 3 minutes
 Wash 1.5 ml 5% PBS-FBS 1400 rpm, 6min
 Add Streptavidin Mix, incubate @ 4C for 15min
 Wash 1.5 ml 5% PBS-FBS 1400 rpm, 6min
 0.3 ml Nuclear FxPerm, incubate @ 4C for 30min
 (vortex every 10 minutes)
 First PermWash: 1.5 ml NuclearWash 1500 rpm 6 min
 Second Perm Wash: 1.5 ml NuclearWash 1500 rpm 6 min
 Add Intracellular Stain, incubate @ RT for 40min
 First PermWash: 1.5 ml NuclearWash 1500 rpm 6 min
 Second Perm Wash: 1.5 ml NuclearWash 1500 rpm 6 min
 Resuspend in 80 ul 0.4% PFA-PBS
 Cap tubes, wrap rack in foil, store at 4°C



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Good thing I Quarantined off the old cells from my sc's, they are mostly dead or off AF!

Aggregate sig Σ expected matter & fluorescent photon efficiency

NY022

oh!
the samples \neq dead?

vs. unstained? (washes?)

Shutdown QC @ 6:16 pm

December 22nd, 2004