December 28th, 2024

	Specimen	Status	Location	Conc	Date	Notes	1 ***			
0.	d 11= -	PPD+					Volume	CD45+	Total	Resuspension
36, 3	CVD6022	Adalt		15E6	3/9/23	22 remaining	2	9E6	18 EG	14
30hr 0	NY068	PPD+ Adul		15E6	8/5/23	27 samuning	2	1056	21 EG	14.7
30pt (2)	N103¢	old Adult		20E6	10/14/11		2	S. YEC	17EC	13.7

+31 HzU to 37°C Water buth really really loud ratting from the hood today. Media appears grapeful-ish ... 10:35 AM Than Start NY068 10:40 Spin 11:15 Stain for count 11:49 Rest stert/ -> 5:49pm

(4:39 pm racent stain) 1.7 1.5 1.4

LD We will not do NY031.

We will do CUD 6022's 3 timeponts Plus NYOG8 5 time points.

NY031 for Icos titration if required/

6:00 - 6:06 pm c0107a added, PPD & SEB added Volume is soople 3M -7 1.5M 500 pl @ 750k -> 1.5 M/mL

Next time don't increase volume? maintain the cone (theoretically)

8:00 pm Add golgi block 5pt ~ 500 All added @ 8:00 pm/

10:42 Ab prep start = -> 11:25 pm Antibodies Mode

11:50 pm Coffee V

3M -> 1.50 in lank

2.5 in 500 pl us in look 3 MmL conc but 1.5 F6 cdls th to 12 to 412 1.2 pl > 0.6 pl 6,8,10,1314 ×0.6 9.0 pl 00000 0.6 CUDGO22 15 00000 MO3C I'M & CDGCI, TNFA, I FNg, IL-2, CD107A burds out at att city act Tcos, CD25, CD38, PD1 HOUN COUN ckl ch etil cotrl CD3, CD4, CD8, CD161, ParBlue, CD45?

CUDIO22	CD4 6_	SPA, cet	27 1	14/33	12+2	
m4031	0000	0 0 0	0 0. 0.	ī	14 ×.3 4.2M	

per 500 yL

1834	-	1	Mon	Bcels	1.
[15]	201 2.3	CADE055	5.67 NO.	10.7	11.8
[17.89]	3.8	N4068	3327210-6	6.2	6.7
(9.G)	1.1	NY03P	33.7	13.3	13.6-16-1
L'.013	1		28-32		

50% AB volumes 2 50% Buffer

Done Time 6 hrs (2+4) special Time 8 hrs (2+6) Done Spin: 11:59 pm Spin @ 1:59 am 400/1 Zombie @ 2:08 am = 2:23 am Spin@ 2:26 +ILOS 11 @ 2:38 -> 3:08 spin@ 3:09 am 41191 Zombie 00:11-700:26/ 12:41 -> 1:11 am sphe 1:15wm cold @ 3:20 -> 3:50 am, 5an @ 3:50 am Strept @ 3:58 am -> 4:13 AM Spin @ 4:17cm 1:23-7 1:53 Spine 1:59am Fix C4:76-7 36-7 46-7 456 Strept @ 2:11an = 2126 am spine 2:26 1 C4:57 am/ Fix @ 2:35an > 45 > 55 = 3:05am 6 205:05 and 1 spin @ 3,09 am Intrac 5:12 am -> 5:52 am 2 Spm @ 3:18 am 305:55 am/ Intra @ 3:27 pm = 74:07 am/ 4 40 G:03 am/ 4.04 3 C 4:09 am 0.4% AFA SUPPEG:16 AM 4 @ 4:17 am / 4.18 0.4% PFA 50pl@ 4:29 am Wooh! Scs SAN @ 7:35 AM Hot @ 7:59 AM -> 8:27 spin@ 6:03 am spin @ 8:12 Spin @4:00 An Zombie 8: 28-78:43 400/ Sompresc: 14-26:59 400/ Both spun@8.32AM 401/ Zambie @4:11am -> 4:28 Spm@ 6:29 AM HOT @6:42 -> 7:12 AM Hot 9:08 am = 9:39 TUNHOL @ 4:41 -> 5:11 am Spines:15 (cold @7:23 -> 7:53 AM Spines:15) Spm @ 4.28 Cold @ 5:24 -> 5:54 am spines 555 stept @ 8:02 -> 8:74m Cold @9:52 7 10:22 AM 42 Merged W Shept @ 10:39 am > 6:54 Timepo and 12hs Fix 11:00-716-726-736 Fix > @ 8: yu any Fix @6:28-7 38-748-7 868 AM for Fix steps 1 @11:39am Bulk Dance 9:39am 1 Jeq:17 am 754504/29:14 1 CG:59 AM/ 2011:48 am All NYU31 got regular 2-769:28am Intra @12:00pm 372 due lestares 2 @ 1:08 AM V Intrac 9:46 AM ur 12/1 (10 8 pr other) 40 +20 residu. 1 372 3@12:43 pm Intra@7:17-77:57 AM/ 7/10:26 AM 3 @ 10:27 Network L 40 12:51 3 @ 8:03 AM # 4@ 10:35 AM/432 O. HY, PFA 4.39 4 @ 8:17 AM /4.12 Accident W I cos @ Time 14 hrs all 0.47 PFA@ L10:48 0.4% PFA C 8:26 AM V got loph old Icos clone us 3 phi Note Violaily + for 4 Fest NYO31 Waiting @ 8:33 ~ 3/4 draps each expect

A from samples

for the sch

to exit wash.

For the 4 I castest NyDBL 0.5,0.8, 1.0 2 1.2

ho'h With the sound of 315

And UNSTAINED CONTROLS !!! 16 17 15 14 13 12 9 10 11 ∞ V6 V7 V9 6 V10 7 V11 1 UV1 1 UV9 1 UV1 1 UV9 1 UV10 1 UV11 2 UV14 3 UV14 4 V3 V3 YG9 R1 R2 R3 R4 R5 R8 YG1 YG2 YG3 YG4 YG5 YG6 B2 Alexa Fluor 488
B3 Spark Blue 550 5 Alexa Fluor 647 PE-Fire 700
PE-Fire 744
PE-Vio 770
PE-Fire810
APC Zombie NIR APC-Fire 750 PE-Dazzie 594 APC-Fire 810 Spark Blue 574 APC-R700 Fluorochrome PE-Cy5 RB780 Pacific Blue RB705 RB613 Pacific Blue BV605 BV711 BV750 BV786 BV570 BUV563 BUV615 BUV661 BUV737 BUV805 BV480 PE CD107a CD127 CD25 HLA-DR CD56? CD39 IL2 CD27 CCR7 TNFa CXCR3 CXCR5? CD26 CD45RA CD8 Va7.2 IFNV CCR6 ICOS FoxP3 CD3 CD45 PD1 CD161 CD69 CCR4 V82 CD38 CD16 CD14 CD19 Marker (MQ1 Antibody Total R10 Media (REA631) Clone Supernatan 0.6 19.8 Beads Dose 0.6 19.9 19.5 During stim!!! Antibody Total
Brilliant Stain
Pippette draw 33 <1:2500> L/D RT 15 min 10 min 6.23 12.46 15.69 Hot Stain 30min @4C 0.0 1.5 1.5 16 99.68 199.36 ###### ###### 0.48 ###### 19.2 24 16 ###### 24 16 <>1.5 ColdStain 30min @4C 7.3 14.6 18.9 <>1.5 1.0 1.0 \$\frac{1.0}{2} <>1 <>0.9 0.6 1.2 <>1.2 0.5 1.5 ###### 116.8 233.6 ###### ###### ###### 16 16 ###### ###### 8 19.2 ###### 24 16 4*C for Strep RBC Lyse, then Fix/Perm αβ T cell SFC panel Intranuclear Stain 40 min @RT 4.9 9.8 11.7 1.2 0.2 1.5 78.4 156.8 ##### 3.2 19.2 16 ###### 3.2 12.8 24 16

Wash with 2 ml PBS, spin down 1300rpm 8min 800 ul of LiveDead mix (1:2500) @RT for 15min Wash 1.5 ml 5% PBS-FBS, spin 1300 rpm, 8min

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Add CD161 biotin antibody for 10 minutes at RT

Add HotStain 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

0.8 ml Nuclear FixPerm, 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 ut 0.4% PFA-PBS Cap tubes, wrap rack in foil, store at 4*C

Facility & Wall 1322

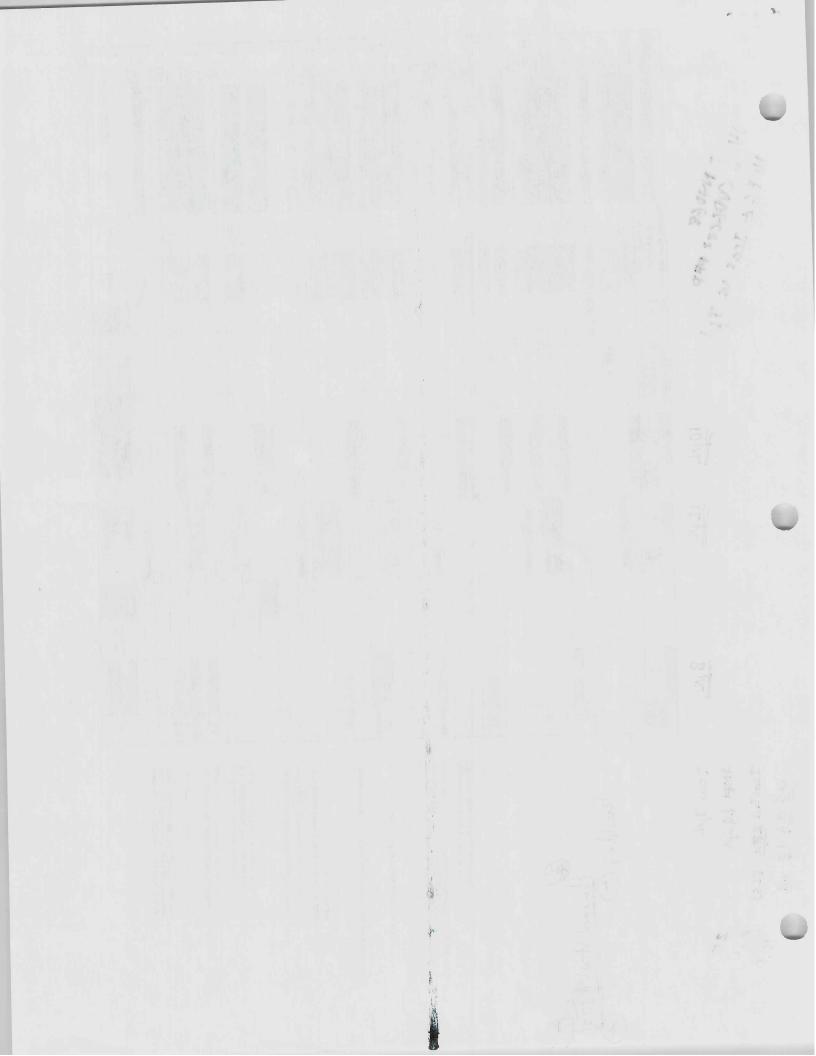
I cos 3 pt Stropt 29.5 pt

120

12/2

3/18

2 2 %



Rationale = Notwasting antibodies

r Abs~ pl → rg/mi → rg add

rg add per tube volume

time + temp

* anhigenete.

1/2 the pg added.

If already saturated, no effect.

If borderline, then ~50% drap?

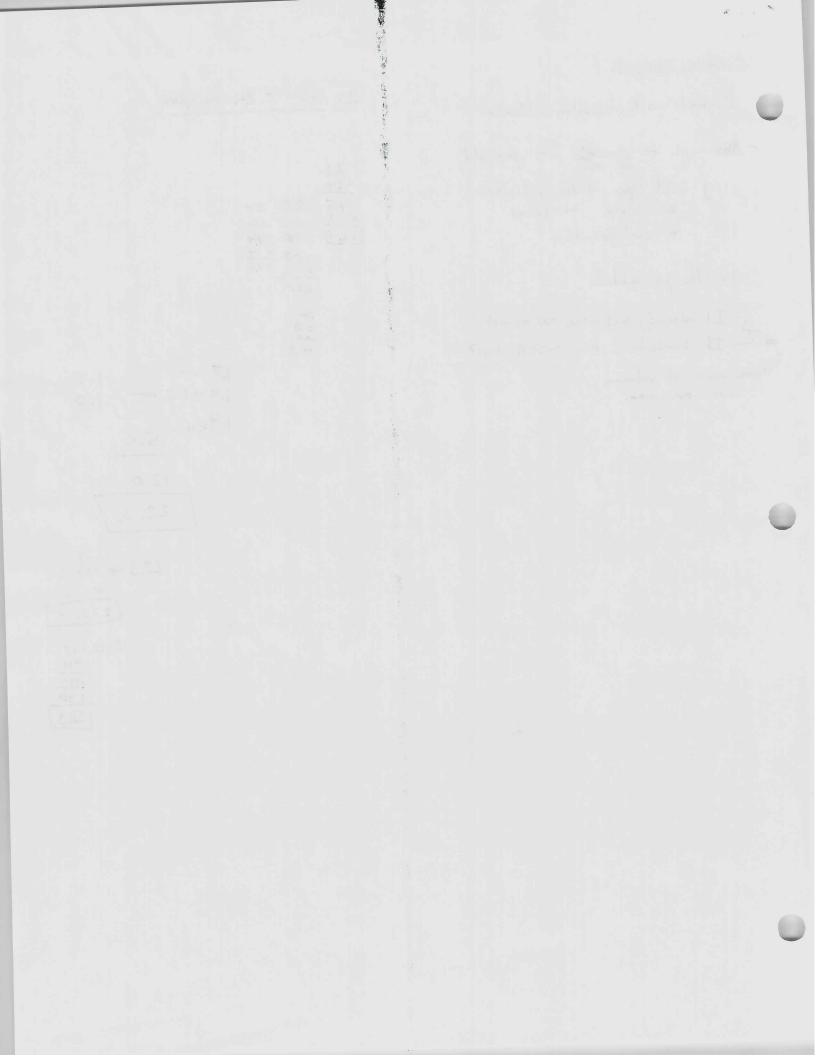
Somewhere on between both ortomes.

21 Scs + 24 samples

21 +24 +5 +5 24 24 × .3 .6 .6 .6 13.5 240 144 × 2 57.6 25.2

 $1.7 \leftarrow 1.7$ $1.5 + 1.5 \leftarrow 3.0$ $1.4_{\times 4} = 5.6$ 12.0 $22.3 \rightarrow 44.6$

12.12.12 12.12.12 138 120



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