January 27th, 2023

85/1 3 70/1 660011 60p1 11609 uch 360011

.3E+6
.3E+6
0.00
2.06
2007113
- 3.42
> G13 ml
3.23
75.85 ml
-3.10
7 565 1
-
edle

5:22 pm count done 6:28 pm Celture in, Fe wells aliquoted

4006:58pn

Spring dam also

1/0 spn @ 7:16 pm

No ROC lysis for Sourced sis got RBC lyed

the-

Surface @ 7:34 -7754pm Sc's @ 7:44pm -> 8:04 pm

Intanices donne Tisipa

8:01 pm Samples post RBC lyse

Strepe 8:15 pz -> 8:30pm

P's + SC's resuspended in 150/

Stop Pz wash @ 8:37pm

Fix Pern @ 8:44-7 54-704

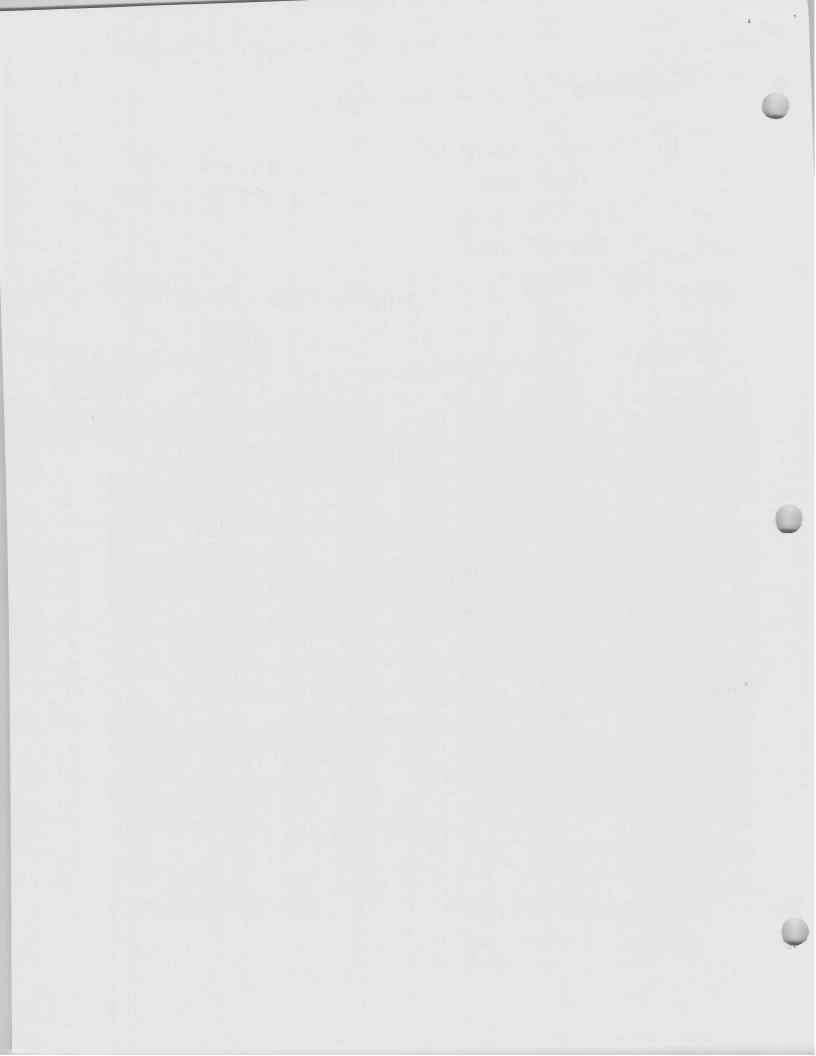
Intraceq:31

Done @ 10:23 pm

Larssa on @ 10:30 Am, bit sheethe fluid refill Running contrad: Cappears to be dean) 1530V450 What charged is last year Make sure to check Fsc Cross contammants a gate s Ser debro 1 Postcon'p relatively low as 3 drops fall Se's Agained at 11:02 AM (odd only 5000 events) laud having add troigs Issues gang FSC Sor Samples 1 700 3500 exts/sec 11:05 AM forward 13 min to get 2400 events Rentime / sample: 1973,397 events (58640 evets abated) IN135 @ runing high -> 6500 exessise (5 min) to hit 1000 exerts I tracheld NM62A Stripe (spin betkr?) P2 Strong vd2 <u>c03</u> stripe (C03 v525 scaled up to high?) Overwrote P. for 82 POI/CDI6 stage Overall Pi cleanest abs wise/comp(due to Pedazele?) - treatment multipled Bleach high 5 min @ 12:19 pm Contrad @ 12:26 pm

Compensation (/issues screening)... PI -> 450 & V670 / CD45RA R780 V525 V676 lover your FSC for pt 1670 - 000 R780 R610 > 4610 V450 PDI CDIG -> two snears (AF?) 12780 × 4780 So... CD25 8710 pallater 12780 L/O + 4780 NK62A V450 stope NACSOLESO CD3 VS25 deconj CD3 V525 > PER B530 af VD2 messy border? PD1 4596 > 4780 NKG2A P4b U450/ V525 4590 neg split? Greats R670 Vd2 a lot non-specific in CD3-V780 + 72780

11670 7 VH 50

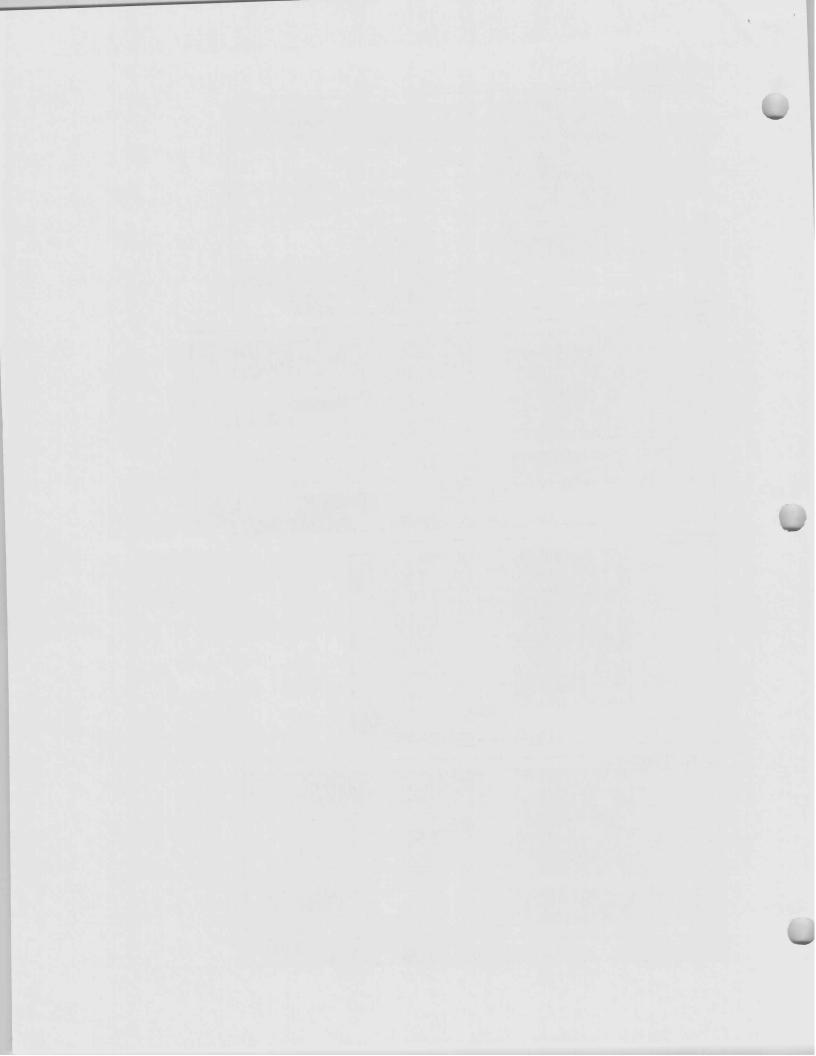


#	Detector	Fluorochrome	Marker	Clone	L/D 15 min (RT)	Surface 20 min @4C	3	Intracellular 40min @RT	3
_1	V450	BV421	PD1		()	2		9	
2	V525	BV510	L/D Aqua		<1:500>	2	6		
3	V670	BV650	CD56		×1.300>	1.0			
4	B530	Alexa 488	Perforin	7		1.8	5.4		
5	B710	PerCPeF710	CD3					3	9
6	Y590	PE	GzmB			1.5	4.5		
	Y615	PE-Dazzle	GZIIIO					1.5	4.5
7	Y780	PE-Vio770	NKG2A						
8	R670	APC				0.6	1.8		
9	R780	APC-Fire750	Vδ2			1	3		
		7.1 C 1 11 E / 30	CD16			1	3		
				Antib	ody Total	7.9	23.7	4.5	13.5
PBS						12.6	37.8	16	48
Pippette draw volume / sample						19.5		19.5	40

#	Detector	Fluorochrome	Marker	Clone	L/D 15 min	Surface 20 min	3	Streptavidin	Intracellular	3
1	V450	BV421	Vδ2		(RT)	@4C			40min @RT	
2	V525	BV510	CD3	-		1	3			
3	V670	BV650	NKG2D			1.5	4.5			
4	B530	Alexa 488	Perforin			2	6	1.5		
5	B710	PerCPVio700	CD56						3	9
6	Y590	PE	PD1			1	3			
	Y615	PE-Dazzle	POT			1.5	4.5			-
7	Y780	PE-Vio770	NUCCA							
8	R670	APC APC	NKG2A			0.6	1.8			
9	R780		Vδ1			1	3			1,000
_	11780	APC-Fire750	L/D Horizon		<1:1000>					
				Antib	ody Total	8.6	25.8	4.5	3	0
					PBS	11.9	35.7	57		9
-			Pippette drav	v volume	/ sample	19.5		19.5	17.5 19.5	52.5

#	Detector	Fluorochrome	Marker	Clone	L/D 15 min (RT)	Surface 20 min @4C	3
1	V450	BV421	PD1		(141)	2	_
2	V525	BV510	L/D Aqua		<1:500>		6
3	V670	BV650	CD16		41.5002	1.5	4.5
4	B530	FITC	Vδ2			1.2	4.5
5	B710	PerCPeF710	CD25			2	3.6
6	Y590	PE	CD28			2	6
7	Y615	PE-Dazzle	CD27			1.5	6 4.5
8	Y780	PE-Vio770	CD3			0.5	1.5
9	R670	APC	Vδ1			1	3
10	R780	APC-Fire750	CD45RA			1.8	5.4
				Antib	ody Total	13.5	40.5
					PBS	7	21
			Pippette dra	w volume	/ sample	19.5	21

#	Detector	Fluorochrome	Marker	Clone	L/D 15 min (RT)	Surface 20 min @4C	6	Intracellular 40min @RT	6
1	V450	BV421	PD1			2	12		
2	V525	BV510	L/D Aqua		<1:500>				
3	V670	BV650	CD27			1.5	9		
4	B530	Alexa 488	Vδ2			1.2	7.2		
5	B710	PerCPeF710	CD3			1	6		
6	Y590	PE	CD56			0.5	3		
	Y615	PE-Dazzle						1	
7	Y780	PE-Vio770	IFNy					0.6	3.6
8	R670 ·	Alexa 647	TNFα					2	12
9	R780	APC-Fire750	CD45RO			2	12		12
				Antil	oody Total	8.2	49.2	2.6	15.6
PBS							73.8	17.9	107.4
			Pippette dra	w volum	e / sample	19.5		19.5	



ulture

Thaw cells -> into 9 ml cold R10 -> spin 1200 rpm 10 min Remove supernatant, resuspend pellet, add 40-80uL of DNAse Resuspend in 1-3 mL of R10 (pellet guestimate), stain for CD45 and count on Guava

Bring cell concentration to 3.0E+6 Lym+M cells/ml R10 Plate 1ml (3E6 cells) in a 12 well polystyrene plate

BCG::::

3 million cells in 1 ml.

Raise to 2 ml with 1 ml 3E6 CFU BCG

Add 20ul IL-2

Zol:::

3 million cells in 2 ml. Add 20 ut Zol (10ut/ml) Add 20ul It-2 (10 ut/ml)

IL-2:::

3 million cells in 2 ml. Add 20ul IL-2 (10 uL/ml)

D0, D3, D7, D10

BCG: 7 tubes, waterbath, all into single falcon tube with 6 ML cold R10 Volume will approximate 12 ml-ish Spin 4000g for 15 min

Discard supernatant, estimate remaining. Raise to 3.1mL of R10 18G 3 ML syringe up down 5 times.

Distribute 1 mL to every BCG well

Staining

Aliquot 1.5 E6 Lym in 500 ul R10 in 5mL polystyrene tube Bring volume up to 1 ml R10, add 2 ul PMA / Ctrl respectively Cap, shake and incubate at 37*C for 6 hours

Aliquot 1-1.5 E6 Lym in 5mL polystyrene tube. Wash with 1-2 ml PBS, spin down 1300rpm 8min 800 ul of LiveDead mix (2:1000, 1:1000) @RT for 15min Wash 2 ml 5% PBS-FBS, spin 1300 rpm, 8min

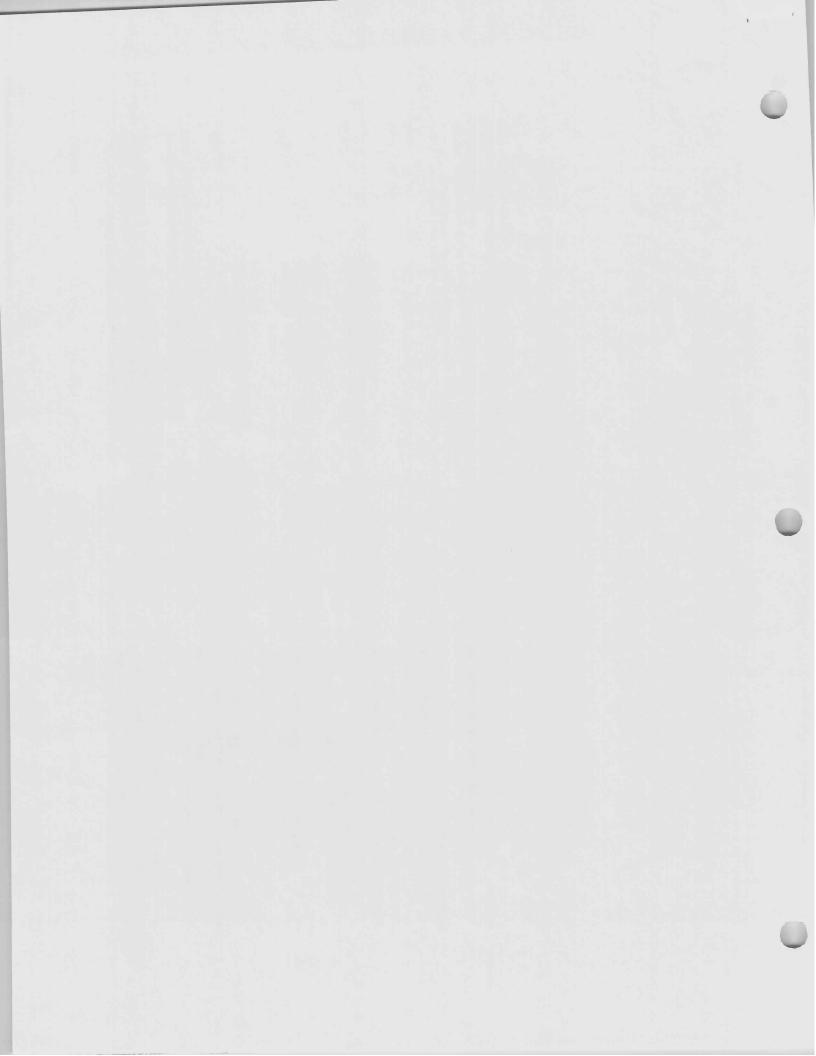
Add SurfaceStain mix, incubate @ 4C for 20min Add 300-500 ul 1x RBC Lysis for 3 minutes Wash 2 ml 5% PBS-FBS 1300 rpm, 8min

300 ul BD FixPerm, incubate @ 4C for 20min (vortex every 10 minutes)

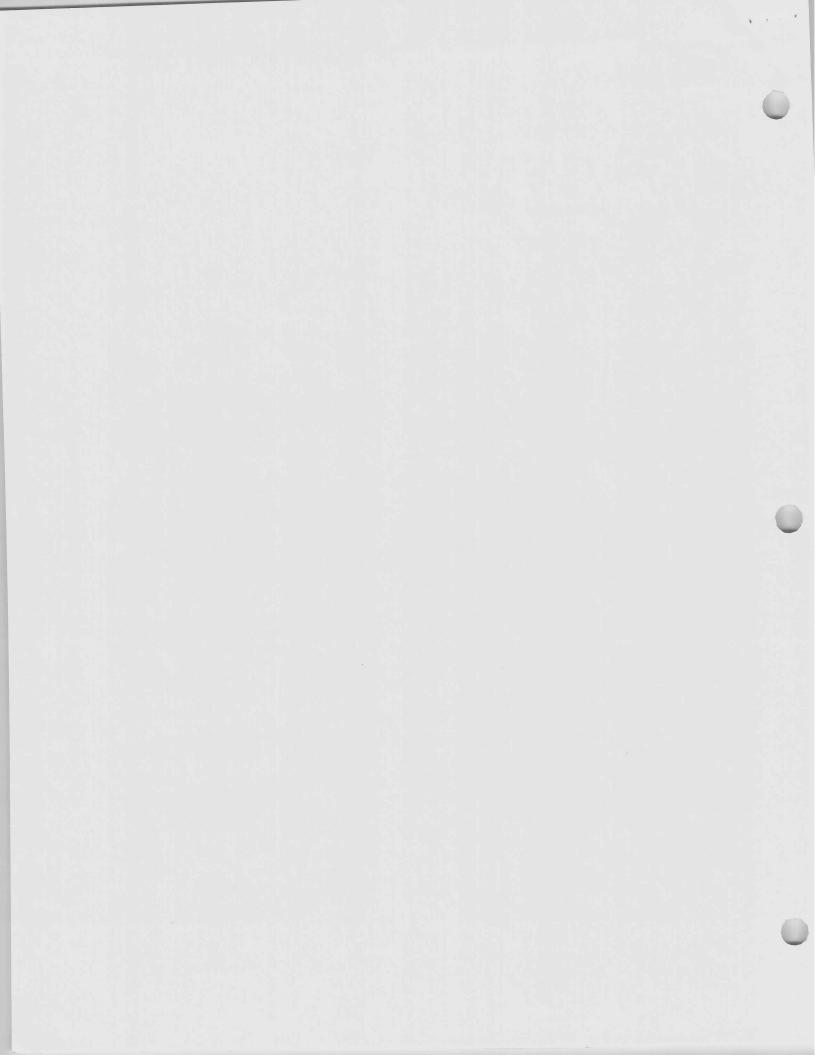
First PermWash: 1 ml PermWash 1400 rpm 6 min Second Perm Wash: 1 ml PermWash 1400 rpm 6 min

Add Intracellular Stain, incubate @ RT for 40min Final PermWash: 2 ml PermWash 1400 rpm 6 min

Resuspend in 250-300 ul 0.4% PFA-PBS



HEU: Ex-vivo γδ CBMC panel #1 - 2023



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