			Lancitud	inal Alpha	Beta	22,08
5th 2023				Lym 1:100	Lym+Mon	Total
nen Status Location Coar	Date	Notes	Volume' 2	8.85	De 11.4	May
Inf305-8 HU & Box 9 A, E5 KII.177 20c. Inf 160-7 HU & Box 2A, D5		Pale	0.5	6.62	8.16	4.08
1-1 -056 (2)		Billy?	0.5	4.09	5,29	2.65
ECCC. Inf 076-3 9 months Box 44 B7			3	6.59		a.88
30/L Inf352-0 Cord Bor 114, E3 30/L a-1 51W26 \$11.37		monceytes reloved	0.5	+	8.26	74.13
430 C. Inf 247-3 HEU-10 & BOX 4A, D3 (15.017		more egy s	V	6.95	4.99	190
450c. Inf344-1 HEU-10 & 80x5A, EB			0.5	4.28		100
490c. NOGS Adult 1.561	8/15/23	3	12	6.39	8.46	6
			Miles		10-15 C	
		-				
Start @ 8:55 pm 9:05 spin 0:23 DNASE for cord 1 0:53 stain forcont 10:04 wall >10:12 10:18 60 and count start 10:31 done 11:07 Incolated Start	7	7.4 .1.	n8076	Int		344
0804 collecting 3:23 cold 8:47 cdd 53:57 dona 9:11 spin @ 1200 spin, 10 min		10 surls, collect, add 60 sec tap add 2ml hot Rlo 7 survls, collect a for 15. Add 2ml cold Re	dd / ml co),			
9:57am -> 10:04 AM	_	10 souls, collect.	١	refune L	y Ilym I	
1000 wall cont =1	which the contract of		297		94 10.4 1	7.88
11:57 resuma post Cristaln & Dilution Calo Sheet	330	c. Inf 160 <2	0.87	0.5 4.	86 5.51 2	
12:12 error discussed	450	sc. Inf076 <3	11.977	0.5 3.0	00 00	34 \$
Ipm Incobotion Start)	750	c. Inf352 < 11	0.367	2 5.5	3 7.55	1.06
no colota bit	480	c. In/247 < 19	1.447 0	5 5.1		57
		ic. Inf344 & 30.		5.5 3.2	3.13	,63
Bref/Noncasin 3:20 pm saudes C 3:26 pm sés	1	c. NY068 C20	207	2 4.9	4 6.29	7.88
added 1 3.46 pm 2nd holf !)	7 lam (10) K12 3am (2+12) 14 4am (2+13) 15	hr		(accord	

$$SFI - SOOPI | Img/mL$$

$$SFB = \frac{2.5}{5} - \frac{500PL}{100} | \frac{100ML}{100ML} | \frac{100ML$$

1:1:19

. Fi

500g 5 mm

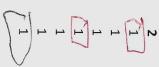
Arrived @ 01:51 am Eoffice @ 1.57 am 2:47 Ab start 3.44 reagents propped Dropped 2 tibes, lost 13-3 3/3rd volume NYO68 = CRY, CXCRS & Wile both were cord fortenately. NYOUS - ZOOPL INTE, THYS! IL-2 13823778 3.5 Media & HiUS am spin down > 14:22 -0 -> 4:37 an In 305 7 Mi others Spn@ 4:44gan Strept start @ 5:05 -> 5:15 15:06 am INF352 CHI LO) 17 15:10 Sc's Spin/ 5:10 Sc's spin/ 5:22 pm & 1/0 spin = 5:20pm [16+ -> 5:50pm] Spine 557am > Hall colli @ 5:32an > 6:02an 5m@6:05am Sittlan Hotse's -> 6:11am spine 6:18 an 5:51 am cold Sc5 -> 6121 am spine 6:26 am Gill AM God start -7 6:46 am/ RBC YSER 6:51 am Spin @ 6:58 am 7:12 strep added 7:43 Bead stain cold the (new bottle) > 5pm @ 7:30 Ary FixPrime 7:45 -> 55-78:05-78:15 am -> methoral colder tuch 2000 col (09:48am) Beads spin @ 7:53 [Im #BS wash] Bend Fix & rm @ 8:00 -> 8:10 -> 8:20 -> 8:30? 8:05 -> Merged wy rest samples for vortexts 8:24AM: First Was [Sorples & cell self] 2 ndwast 8:47 AM 8:50 AM hes uspending sols in 29/15/L Berd 5 2 plfor 30 minus FoxB3 Intrac@ 9:10 an -> 9:50 an

ust/scs staded @ @.ZC w/ 15/25/2

Template setap @ 1:04pm
R3 falled x2 days son /2 class m line/
nope, R3 7% threshold change **Romany contrad for 5 minutes >
H20 @ 1:21 pn
4:30 pm 76 pL/mn on High 750 ph 30 see 2 CCR4 low?
CD161 = Burd crape Eslier Redit
PDIEcord activated next time HLA-DR POP in Lynn
Monocyte cloud moved upward 5.
Samples Story 10 10 10 10 10 10 10 10 10 1
352 SEB
NY 168

Und 2 sc @ 5:21 pm

3.5 1.4 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.8 **0.9** 9 4.5 0.9 0.9 0.9 1.8 0.9 0.9 0.9



1.2 0.6 0.6 0.6 0.6 0.6 0.6

uL/uL

September 7th, 2023

αβ T cell SFC panel - Longitudinal

2 1 1 1 1 1 1 1 1 1		20.5			59.2	65.5		Pippette draw volume /sample	20	19.5	Pippette draw volume /sample	PI		
Part Control (1) Control	85.5	5.7		750		1	Ž.	ant Stain	Brilli	20.5				TAINED CONTROLS !!!
Part	222	14.8	0				16	ody Total	Antil	0.0	Antibody Total			
Device D						-	1				(НП2)		APC/Fire 810	R8
Description						-	2			_	(0323)		APC/Fire 750	R7
Deniminary Den						The state of the s		2500>				L/D	Zombie NIR	R6
Decide Process Decide Decide Process Decide Process Decide Process Decide Decide Decide Process Decide De									###		(H4A3)	CD107a	APC-R700	
Decide D	18	1.2								_	(MQ1-	1122	Alexa Fluor 647	
Deviction Devi							1				(A1)	CD39	APC	R1
Part				12	0.8						(L243)		PE-vio770	YG9
Part	37.5	2.5				-					M-A261)		PerCP-Cy5.5	B9
Part Dimmining cirt Dimmining circ	7.5	0.5					1				M-A251)		PE-Cy5	YGS
Durinary Cut Duri	18	1.2				1.2>	<1				MAB11)		PE-Dazzle594	763
Description	7.5	0.5		18	1.2						H12.2H7		ЭЗ	Y61
During Color (d) Red critype name Favorchrome Marker Clone Violity String Clone Violity String Clone Violity String Clone Violity String Clone Violity Clone Violity String Clone Violity Clone Viol	1.5	0.0		18	1.2					_	(SK7)	CD3	Spark blue 550	
During Effect Single color (u) Red crit (yee name Bluv335 Color Color Color Color Single color (u) Red crit (yee name Bluv335 Color Color Color Color Single color (u) Red crit (yee name Bluv335 Color Color Color Color Color Single color (u) Red crit (yee name Bluv335 Color	75	5									236A/E7)		Alexa Fluor 488	
Description							1			_	(11A9) I	CCR6	BV786	VIS
Particular Par	22.5	1.5									(B27)		BV750	V14
Filter Single color (ul) Red city pe name Marker bluva95 Cone opt page Valor it single page Londing single page 15 single page 16 single page <td></td> <td></td> <td></td> <td></td> <td>1.2</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>(3C10)</td> <td></td> <td>BV711</td> <td>V13</td>					1.2						(3C10)		BV711	V13
Filter Single color (ut) Red citty pe name Hourochrome Marker Clone Vial Lot Marker Lone Marker Lone Vial Lot Marker Lone Lone Marker Lone Lone Marker Lone Marker Lone Lone Marker Lone Lone Lone Lone Marker Lone	10.5	0.7		0							G043H7)		BV650	V11
Filter Sinile color (ul) Ref cirt type name Rejuvas Re							2				(J252D4)		BV605	V10
Filter Single color (u)] Ref crit type Include in the filter in the single color (u)] Ref crit type Marker in the BUV395 CDR21. (DREG-55) Valid at single color (u)] Ref crit type in ame 15 (BBC Vys) (B													BV570	
			5	10.5	0.7					-	(Hi100)	CD45RA	BV510	V7
				(5	1.			REA631)	CD161 -Biotin (V5
			Ų		2.0					-	(HIB19)	CD19	Pacific Blue	V3
											(M5E2)	CD14	Pacific Blue	V3
											(A019D5)	CD127	BV421	V1
	7.5	0.5		1	1		1			-	(SK3)		BUV805	UV16
Filter Single color (ul) Retrict type Plurochrome name Marker Cone Vial (or #) atmit 15 U/D RT R (Figs.) RECLYSS Coolds and part 15 mm Marker 25 mm Apr. Plurochrome (aggregation part) 15 mm Apr. Plurochrome (aggregation part) Apr. Plurochrome (aggregation part) 15 mm Apr. Plurochrome (aggregation part) Apr. Plurochrome (aggregation part) 15 mm Apr. Plurochrome (aggregation part) Apr. Plurochrome (aggregation part)<			#		<1.3;						C6/CXCR3)	20.5	BUV737	U14
		0.1	5								(B6)	V82	BUV661	UV11
Unmixing crit							2			-	(161)	CCR4	BUV615	UV10
Durning crit	15		51		0.5						(FN50)		BUV563	UV9
Unmixing ctr			5	8	0.7						RPA-T8)		BUV496	UV7
Umiking ctri Umiking ctri Unmiking ctri Umiking ctri U	1									-			AF	
Ummiking ctrl Single color (ull) Ref ctrl type name Fluorochrome Marker Clone Vial lot # Umiking l stimil! 15 UD. Rif Riffor(1) Single color (ull) Ref ctrl type Namin @87C Single color (ull) Ref ctrl type Single c			~		1.2								BUV395	UV2
		\$10000000000									Vial Lot #	Marker	Fluorochrome	Unmixing ctrl Filter Single color (ul) Ref ctrl type name

nplified Protocol

existend at 12E6ml of R10, rest cells for 9 hrs in a 6/12 well plate older, count, aliquot cells 1.5E4 Cells farn polystyrene tube dd artifegns. Stin antibodies, and DuringStim antibodies in 80 ut R10 ap and incubate at 37°C for 2 hours aw cells, DNAse Cord, count.

d golgi block mix, and continue to incubate for <10-13> hours

ash with 2 ml PBS, spin down 1300rpm 8min 10 ul of LiveDead mix (1:2500) @RT for 15min ash 2 ml 6% PBS-FBS, spin 1300 rpm, 8min

d ColdStain mix, incubate @ 4C for 30min Id 300-500 ul 1x RBC Lysis for 3 minutes ash 2 ml 5% PBS-FBS 1400 rpm, 6min dd CD161 biotin antibody for 10 minutes at RT dd to it HotStain mix, incubate @37C for 30 min ash 2 ml 6% PBS-FBS 1400 rpm, 6min

Streptavidin Mix, incubate @ 4C for 15min sh 2 ml 5% PBS-FBS 1400 rpm, 6min

Nuclear FixPerm, incubate @ 4C for 30min

st PermWash: cond Perm Wash: (vortex every 10 minutes)
2 ml NuclearWash 1500 rpm 6 min
2 ml NuclearWash 1500 rpm 6 min

Intracellular Stain, incubate @ RT for 40min

st PermWash: cond Perm Wash: 2 ml NuclearWash 1500 rpm 6 min 2 ml NuclearWash 1500 rpm 6 min

tubes, wrap rack in foil, store at 4°C spend in 100 ut 0.4% PFA-PBS

0000 0000

39

2.3a setubes

Zombie NIR 0.8

15 PBS 6 Zombie

n PFA 0.45 120 0.45 36 0.27 88 0.44 48 0.12 292 1.28

000 0

24/4 2/28

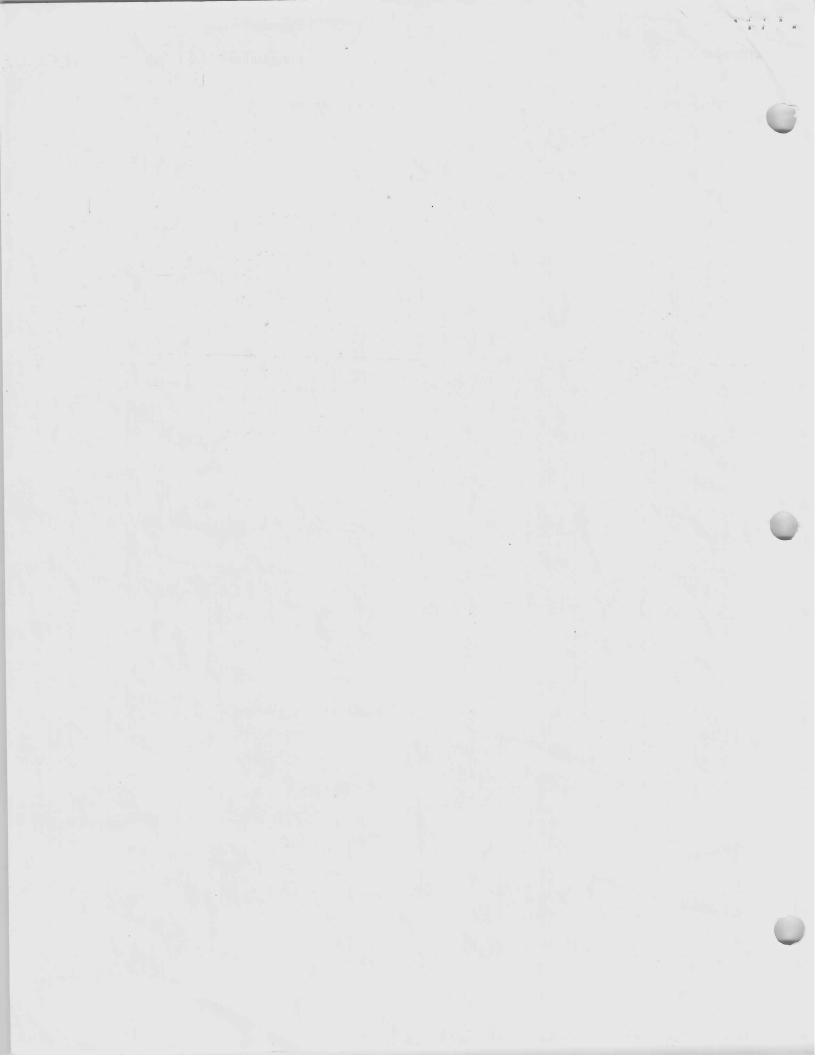
PFA 0.128 PBS 1.152 FBS 92 PBS 92

RBC Water
 Perm
 29.2

 Water
 263

			760		738			679			598	-		525		508	473	458	443	428	388	373	Spectrum
0716		UV15		UV14		UV13	UV12		UV11	UV10		6An	WV		UV7		OV6	UV5	UV4	UV3	UV2	LVI	
CONNO				BUV737					BUV661	BUV615		BUV563			BUV496		AF				BUV395		V
[50]				[40]					[50]	[45]		[55]			[55]						[50]		
CD4)								V82	CCR4		CD69			CD8						CD62L		
V16	č	×15		V14		V13	V12		V11	V10	√ 9	8	5	6		%	≨	≤	52	5			_
		RV786		BV750		BV711			BV650	BV605		BV570	BV510			BV480		PacBlue		BV421			Violet
	feed	[50]		[60]		[55]			[50]	[50]			[56]			[55]		[55]		[45]			
		CCRA		IFΝγ		Va7.2			CCR7	CXCR5			CD45RA			CD161		CD14/19		CD127			
R14	2	3	B12		B11	B10	B9	B8	B7	B6	B5	B4		B2		<u>B</u>					_	4	
	0						PerCP-Cy5.5						SparkBlue 550	AF488									Blue
							[45]						[50]	[65]									
							CD26						CD3	FoxP3									
	469.A			7375				YG5		YG3		<u>ર્</u>									-	1	
	Fe-VI0//0	7 16 770					.,	PE-Cy5		PE-Dazzle594		PE											Yellow-Green
	Incl			_				[40j		[60]		[50]						*****				1	
	HLA-DK	; ; ;						CD25		TNFα	,	PD1											
	R7	3	3	ã	0 7	0 3	R3	77 2	ñ													+	1
	APC-Fire 750	VIN PIGHTO7	Zombio NID		21000	APC_R700	1	AF647	APC													1,000	Rad
1=	[45]	[cc]			(con)	ĥ.		1522	n n													1	, 101
	CD27	viability	Via Filler		001010	CD1072	i	- J	2036														1

3.



Acq samples @ 5:21 pa med speed 170 pl rolane set 13688 endrak roombort Mon 2 dablet wable.
38.43/min TGGPL] C305 PPD /4 loss volume > mon monoseinsize. Pobrecoto PpD > media alveness 247 Den @ 6.05 9:39 am unmix > 10.98 complex.t, CD27 h.t Someder TWFa Spready error zonbre 247 -> Mon EPPD vells enriched (schamed CD27 + CD3 + SEB wills as a demarker cD3 × cD161 = delicate N Pls going to need a lot more infrare CD3 352 cord 13 off + 003% = contournating 00127 DNS & partially the co3+ NNs, 45RA + 32 $03 \qquad \longrightarrow \qquad 03$

TI/TIT'S -> NO IFNS OF TNFQ	i i
bull signal is NMs	
No PPD activity in DWs.	is cold ape
1.57% PPD CD69+ TNFa+ NY068 1.57	The 160
TWE forzers) C1.7 MY 68	1_247
Ny068 remarkable issuer TNF. Vs BUSIO (need to I am	(? tous
127 decended on 205 1	
Vayare Vayare HW 4 Vayare Taf 160 -> TNFA 0.60 0.62 305 -> 0.016 NY068 -> 0.016	prod COG 10.055 1.57
Cord CD8s = responsive to SEB 2-	T(7s.
Cord OH'S make TWFA, not IFNG to	SEB
Strollynoss Polymone Proje?	