2023_ILT_09

	Specimen	Status	Location		-			2023_	ILT_09	
160 c			Location	Conc	Date	Notes	Volume	Lym	Lym+Mon	Tota
79. Wi.	Inf250-3	HU 7 SFMG	(H)	<9.697		Bloody		5.96	16.5	100
0/1 50c.		SFM7 SOOV	8	(9.097) .	5.98	10.6	
1/1	Inf 169-6	HEU-10 F	(2)	21.737		Bloody-est	1	3.14	5.82	
)//)//	a-1	590U	T.	(14.747			1	4.43	7.53	
00.	Inf 101-2	HEU-his7 RYBH	0	15.047	Ĭ.	La Arti	1	4.81	7.04	NA.
v 4.	۵-3	RYBE	(10)	15.47		11/2/11/20		5.25	7.86	
"	Inf320-5	HEU-hi?	0	9,37		kanu	1	7.16	8.76	
1	ar	SNUZ	9	7.97		app das	00/4	8.04	9.57	- Land
(ND050		3	1586. 1	13/23	ks.T	1	9.21	12.4	
	N0006		6 <	15E4 E	/12/23	The second second	(14.9	17,4	

Spai 09.39 adult shorp 9:41 SPIN @ 97.49 2nd Mw 2 10:27 spine

11:02 am Stain count

DIVASE CASO 1011 DNASOBIOH 105000 10.11 PNASER 10:45 resuse

countering an 11:42 am 13rd Hopert of Infliga a-3 590W

12:12 aliquot starts:

Incubations 1:00 pm

(Ab pre 6:30 pm >

7:09 spin samples 7:254p-> 7:40pm 7:32 SE SPM

40 sc @ 7:4a -7 8:04pm

Hots@ 8:03pm -> 8:33pm

410tscb 8:11 -> 8-41 pm Godscis @ 8:21 pm 78:51 pm Tet's propod @ 8:29 pm 8:50 pm Tets -> 9:80

9:04 Abs -> 9:34pm

A Ups 200 -> 20pl pappete 79:00->9:3pm (as they 54 1x7/2=5x)

9:10pm Sc FixRen > 20->30

Combined spin @ 9:37pm

9:50 cold samples -> 10:20pm

9:58 2nd Perm Wash

10:12pm Intrascs = 10:52pm ->space10:53

10:31 pm RBC lysis spino 10:27 pm

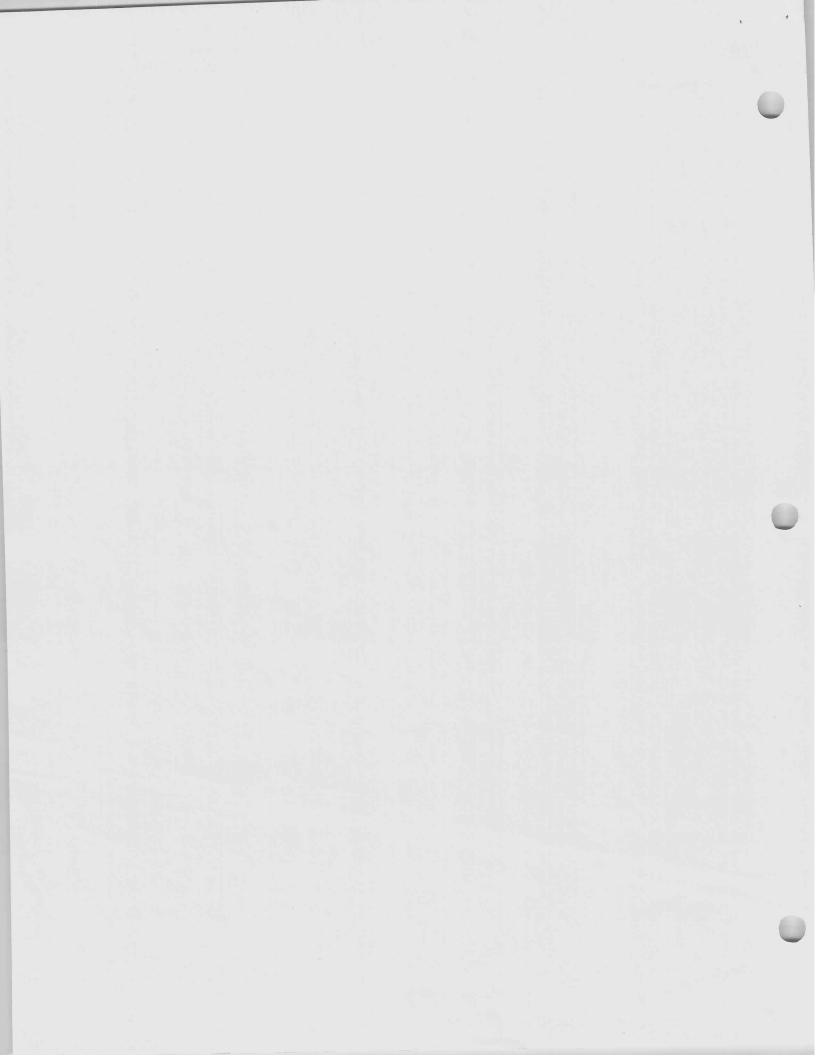
10:40 pm -> 50 -> 11:00 pm Fix Pean Samples

End pen wash @11: Copy Anone

11:29 Intrae for samples (Tittle left for tet object)

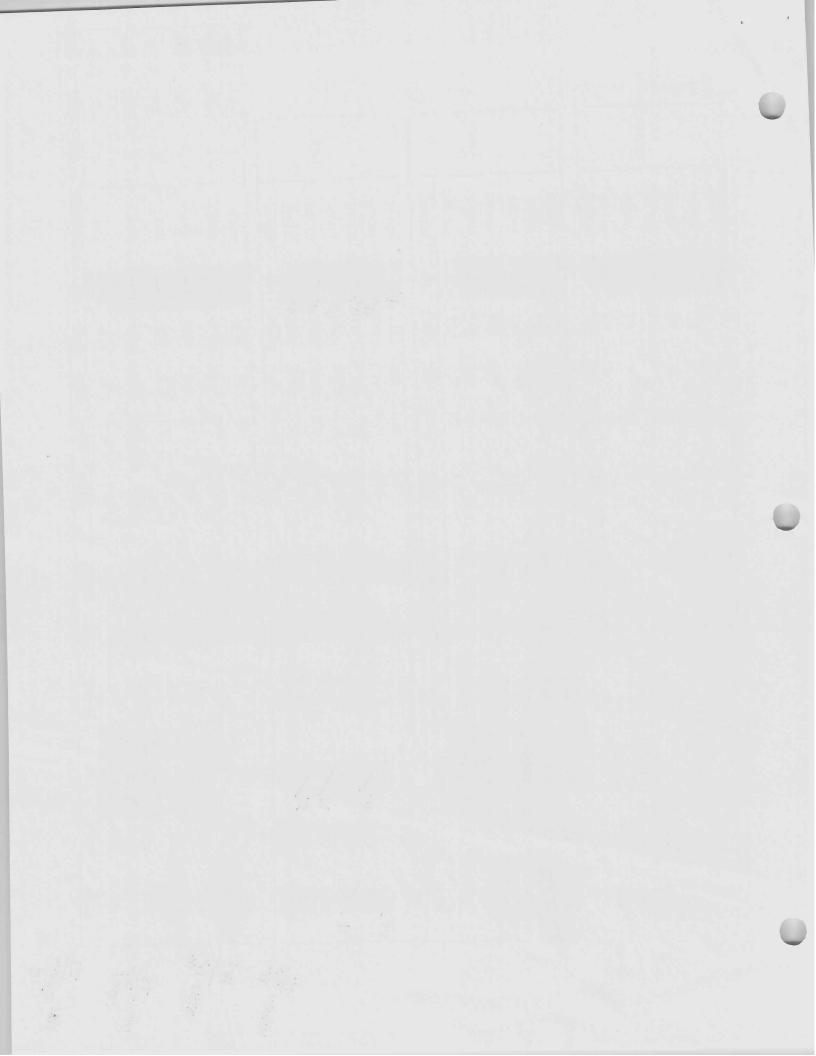
7/2:09 am Final spine 12:10 Dane @ 12:22 Am

Acquisition starte 4:03 pm NOOSO & PMA ¿ Ctit unstaned off y6 - R8 Msgral? Samples @ 5:37pm: Cunninghams 10-(inheret forms) IN 250 INF 169 Inf320 Inf (01 AVactol second * Vach scow 1516/1K 1511/11/1 2511/3.311 Usins NDOSO chilpmA as unstained's given whatever (186.16 my both File/AFEBBanit) happened or NDOOGIS TYG+UV Tetramers reunmixed [] Antibodies reunmixed [] Tetrouver 0.02 0.51.05 0.33 0,04 NRT NO050 0.08 0.04 0.02 0.05 0.07 6.03 0.03 0.02 0.12 101 0.03 0.11 0.01 0.02 0.04 0.06 003 OIR 0.08 250 OP-RU feeling. the hMRI Comparable, heo ed



																									ND006	ND050	INF320	INF101	INF169		Sample INF250
ſ			<i>p</i>			-		7 [7 1								,	14.9	9.21	15.2	10.06	11.36	ļ	Total
-				7,07,0	CD1072								PMA						· i	VI.O	B 10				<u>, , , , , , , , , , , , , , , , , , , </u>	۱ د	2	2	ω	٨	Volume
140000	NDOOG	ND050	INF320	INF101	INF169	OCZ JANI	Sample		ND006	ND050	INF320	INF101	INF169	INF250	Sample		ND006	ND050	INF320	INF101	INF169	INF250	Sample	17.50	17.60		7 60	5.03	3.79	5.9/	Conc
o		6	6	6	6	σ	7	•	2	2	2	2	2 1	2	3M	2.90	0 80 10 0 731	0.67500 617	0.61.2.100 551	0.40 100 369	0.21 \ND 0.190	0,5000	3M	0.20	0.33	0.39	0 00	0.60	0.79	0.50	
5.5	ייי	5.5	5.5	5.5	5.5	5.5	2.75M	1 5	1 83	1.83	1.83	1.83	1.83	1 82	2.75M	0.731	0.017	0.537 0 617	550	369	0.190	0.50 ww 0.455	2.75M	0.18	0.30	0.36	2 6	0.55	0.73	0.46	2.75M
U		л	(Ji	رح ا	5	G	≤	1.00	1 100	1 66	1.66	1.66	1.66		2.5M	0.005	0.505	0.504	0.504	0 226	0 173	0.414	2.5M	0.17	0.27	0.33		0 40	0.66	0.42	2.5M
4.5	;	<u>></u> л	4.5	4.5	4.5	4.5	2.25M	1.5	, F	, i	1 н л	1 н	1 1.5	ר	2.25M	0.60	0.51	0.45	0.30	0.10	0.16	0 37	2.25M	0.15	0.24	0.30	0.45	0 4	0.59	0.38	2.25M
4	4	۷.	. 4	4	4	4	2.0M	1.32	1.32	1.32	1.32	1.32	1.32		2.0M	0.532	0.449	0.403	0.268	0.138	0.331	0 221	2.0M	0.13	0.22	0.26	0.40) }	0.53	0.34	2.0M
3.5	ω. .51	، ر	υ L	л	ω 5	3.5	1.75M	1.16	1.16	1.16	1.16	1.16	1.16	F-12 C141	1.75M	0.466	0.393	0.353	0.235	0.121	0.290	2000	1 75M	0.12	0.19	0.23	0.35		0.46	0.29	1.75M
ω	ω	u	υ 	ى ر	ω	ω	1.5M	 	Н	Ъ	Ь	_	Ь	TIVICIT	A N	0.40	0.34	0.30	0.20	0.10	0.25	T.DIVI	1 624	0.10	0.16	0.20	0.30	0	0 40	0.25	1.5M
								0.83	0.83	0.83	0.83	0.83	0.83	IAIC7.T	1 25.00	0.332	0.280	0.252	0.167	0.086	0.207	IAIC7.T		0.08	0.14	0.16	0.25		O 23	0.21	1.25M
			<u>_</u>	, ⊢	٠	Volume		0.66	0.66	0.66	0.66	0.66	0.66	T.OIM		0.266	0.224	0.201151	0.134	0.06919	0.168	T.OIM		0.07	0.11	0.13	0.20	0.20	0.06	0.17	1.0M
			8.04	7.10	716	Lym		0.5	0.5	0.5	0.5	0.5	0.5	0.75M		0.20	0.17	0.15	0.10	0.05	0.12	0.75M		0.05	0.08	0.10	0.15	0.20		0.13	0.75M
		15.2	8.04	7.10		Total		0.33	0.33	0.33	0.33	0.33	0.33	0.5M		0.133	CO SATO	0.101	0.068 18	0.035	0.083	0.5M		0.03	0.05	0.07	0.10	0.13	<u>.</u>	0.08	0.5M
			7.6		9	Average																6/3	£ 4	•	[g]	35		.5.	1/2	ē	15

1.80 1.80 1.80 5.84 1.80 5



Tetramer Control Mix	Tetramer Max	Hri	Va Mix		And UNSTAINED CONTROLS !!!		- 1	29 88		П		24 81	22 BB	1	20 64	19			16 V15	15 VIA	1	1		11 V7	10 V5	V3	9 V3	1		6	11/01 5		3 UV9	7 1672	# Filler Single color (ut) Ref ctrl Ummking ctrl name	T in
П		Zo					APC/Fire 810	APC/Fire 750	Zombie NIR	AlexaFluor647	APC	PE-vio770	PE-Cy5	PE-Davilleon	Perchicy5.5	Spark blue 550	FITC/AF488	BV786	BV750	BV711	BV650	Bivene	BV510	BV480	Pacific Blue	Pacific Blue	BV421	BUV805	BUV737	BUV661	BUV615	BUV563	BUV496	AF	ctrl Fluorochrome	
Tet/PBS Tet/PBS	Tet:PBS Tet:PBS	Zombie NIR 0.8		Pipp	R10		CD38	CD27	CD107a	Va7.2/hMR1	CD16	t dd	CD25	NKG2D	CD26	CD3	Va24/hCD1d	CCR6	IFNY	CCR/	CD56		CD45RA	CD161	CD19	CD14	CD127	CD4	CXCR3	V82	CCR4	CD69	CD8	AF-UV6	Marker	
1 <u>9</u>	10 1_9	14.4 5.76		Pippette draw volume /sample	Antibody Total		HIT2	N/A	Н4АЗ	3C10	368	PD1313	MAB11	1D11	BA5b	SK7	6811	11A9	B27	G043H7	5.1H11		HI100	HP-3G10	SJ25C1	MSE2	A019DS		1C6/CXCR3	86	161	FN50	RDA_TO	SK11	Clone	
20 2_18 2_18	20 2_18 2_18	15 PBS 6 Zombie	19.5				+		6	1	-				-		1													1					Vial Lot #	
30 3 27 3 27	3.27 3.27 3.27		5	14.5 232	0 800	-		H	6.0							-					1	1	1	1											During stim!!!	
PFA PBS	Number I	Number Number	Pippet	10000	96	-			96					-	+	-				+		-	-	-					-						16	
	Intracellular S	Number Samples Number Unstained Number Surface SG (29)	Pippette draw volume /sample	Brilliant Stain	Antibody Total	-		<1:2500>	2				1	+	-					1	1														L/D 15 min (RT)	
101.5 0.148 1.332	101.5		ne /sample	in	otal				<2:10/1.2>							<:10/1.5>																			Tetramer 40 min @ RT	
8 S		Total FE	65	50	1	1.6	3					12	1.5				1.5		1	1 1.0			2			1.5	1.5			2.0					HotStain 30min @37C	
RBC Water	29 6 203 182.7	FBS RBC		800	285	25.6	32				10.0	19.2	24				24	-	16	16			32			24	24			32					16	
0.78 7.02	7.8 7.8	RBC Lyse Fix	59.5	50.0	12.5					0.7	15			(1.2	3						0.7		2.0	2.0			1.3	0.7	910	0.5	0.7	1.2	2	ColdStain 30min @4C	
	1.2 13.8	4.8		800	200.0					11.2	24.0			THE PERSON	19.2							11.2		32.0	32.0		15	20.8	11.2	0.0	8.0	11 3	19.2		16	
	58 24 166 149.4	Perm 64 20																												Ī		Ī		FIXIFE	RBC Lyse,	
	0.58 0.12 1.48	PFA 0.48	19.5	11	9.5					<u>V.S</u>	0.5	1.5	0.5	2.5	0.1		<u>77</u>	100	0.7	0.1						0.5			0.1	1	•				se, Spiked 40 min	
				176	152			0		8.0	8.0	24.0	8.0	40.0	1.6		24.0		11.2	1.6						8.0			1.6	16.0	100)			n 16	
				Cap tub	deneave	Decin	First Pe	Add Ir	Secon	First P				300 0	300	Wash	Add	Add		Wash	Add	Was	Add		Was	800 u	Was		Cap	Bring	Col	J Tha				

Simplified Protocol

haw cells, DNAse, count.

collect, count, aliquot cells 2-3.0E+6 Cells R10 / 5ml polystyrene tube
fring volume up to "x" mL R10, add "y" μ. PNACtri and "z" μι CD107a
ap and incubate at 37°C for 6 hours

Vash with 2 ml PBS, spin down 1300 rpm 8min 00 ul of LiveDead mix (1:2500) @RT for 15min Vash 2 ml 5% PBS-FBS, spin 1300 rpm, 8min

ld HolStain mix, incubate @37C for 30 min ash 2 ml 5% PBS-FBS 1400 rpm, 6 min

Id Tetramers, incubate @RT for 10 min ash 2 ml 5% PBS-FBS 1400 rpm, 6 min dd ColdStain mix, incubate @ 4C for 30min dd 300-500 ul 1x RBC Lysis for 3 minutes ash 2 ml 5% PBS-FBS 1400 rpm, 6min

ul BD FixPerm, incubate @ 4C for 20min

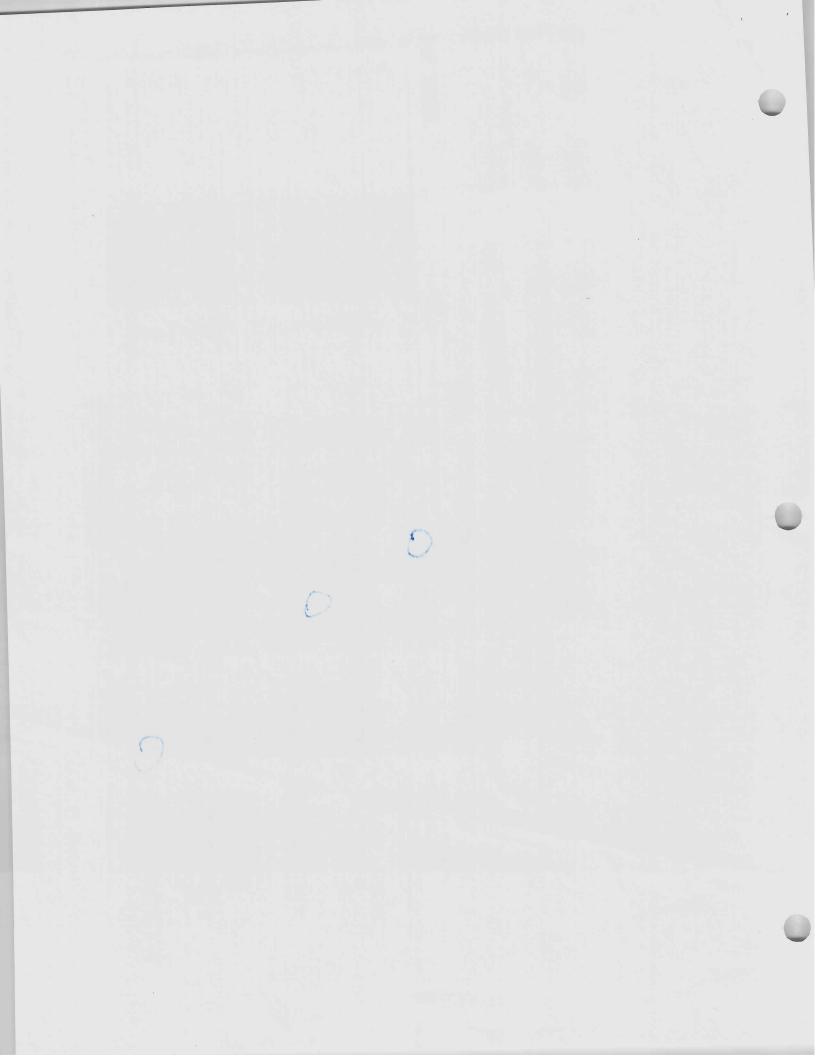
(vortex every 10 minutes)

rst PermWash: 1 ml PermWash 1500 rpm 6 min
scond Perm Wash: 1 ml PermWash 1500 rpm 6 min

Intracellular Stain, incubate @ RT for 40min 1 PermWash: 2 ml PermWash 1500 rpm 6 min

uspend in 70 ul 0.4% PFA-PBS

tubes, wrap rack in foil, store at 4°C



ILT & NK SFC Panel

3 UV15 2 UV16	750 UV14 760		9 7 UV12	34 UV11		42 UV8	- 6	14 uv7	73 UV6		43 UV4		373 UV1
BUV805	BUV737			BUV615		BUV563		BUV496	6 AF	or .	<u>4</u> 3	[∞] BUV395	/1
1901	[40]			[50]		[66]		[65]				[50]	+
CD4	CXCR3			CCR4 V82		CD69		CD8				CD62L	
V15 V16	V14	V12 V13		V10 V11	S	§ \$	6	> 5	\$ 2	5 5	<u> </u>		1
BV786	BV750	BV711		BV605 BV650	0	BV510		BV480	acolde	Dacelina	BV421		ATOIGE
		[85]		foot		lissa.		[55]	feel	i i	[45]		1
CCR6 B	IFNγ	CD7		CD56		CD45RA		CD161	CD14/19		CD127		
B12 B13 B14	B11	B9	B8 0	B6	B 84		3	B1					
		PerCP-Cy5.5				SparkBlue 550	EITC/AE/00						Blue
		45				1001							
		CD26				Va24/hCD1d CD3							
YG9		é	YG5	YG3	YG1								
Pe-Vio770			DE-C-V4	PE-Dazzle594	PE								Yellow-Green
2				1601	[50]								
PD1		04.00	CD3#	TNFα	NKG2D								
R6	R5 2	2 23 2	R 72									1	
Zombie NIR APC-Fire 750	21	ABC-B700	APC										Red
[# <u>B</u>]	-	٧٥	.										
Viability CD27	0	να/mwiκ	CD16										

