SUNCE	Specimen	Status		Conc	Date	Notes		2023_	ILT_12	
14001	Enf786	HUP				lysed? clump	Volume	Lym	Lym+Mon	Total
40 CIVI	a-1	TZQJ	0	<b>&lt;31.3</b> >		few monocytes	(	2.88	3.49	Tota
100 c.		TROK	(10)	<15.57		lysed? clump Sew monocytes	)	6.05	7.80	
3/1 /	nf 523-0	TCUE TCUE	3	13.47						
30c.							,	6.79	7.56	
eve.		TCU1  ItGU-lo	(q) <	12.67				6.85	1(.)	4
oc.	nf661-3 a-2	TLPX"	2 2	8.57				9.24	13.6	
1	a-1		(B) 4.	7.37	L	2 10-	1	11.50	16.9	
1	17318-2	SNR-2	(A) <1	3.47	H	e-managagagag		7.1	11.4	
, c.	0-1		(1) che					7 . 1	11.1	
c. All	0-2	tdelf	(1)246	7	1 1 -		(	5.79	10.9	
	,,,,,	07		?>		- 1 to 1	1	8.14	11.3	
	20 20	delt	(5) <	566 5/	12/23	1-22-4	(	13. 1	16.4	
Lnfe		fu fr1	(T) < 2	0.37			1	4.71	7.50	

11:13 am thou start 11:29 spin Dribe OlliHb 50/12/8574-6 HU 7.34 11:29 on All 4 specimens very little blook. 750c TERU a-1

10.31 um add thow 10H1 Sp.n

12:07 and 2nd than's: Spine 12:25 DNASCE12:45

1:05 pm stain for com-1.57 pm aly of start -> 14.22 pm 2:46 pm 2 mode

Inabotion @ 3:06pm -79:06pm

Abs propped @ 7:30pm Reagents propped @ 7:44pm

Spin samples @ 9:11 pm 1 ctrl NDOOG tobe stall pink 11 11 11

4/0@ 9:27pm -> spn@a:48pm

5c Spn @ 1:34

\* Loss CD107a to Zambie NIR .. \*

9:56pm SC for Zombre -> 22005pm samples hot -> 10.35pm Spine 10.42pm

22:12 pm hot sc's > 42 pm spin @10:45 pm 10:4 Pm cold SES -> 51 Pm

+ 0.71

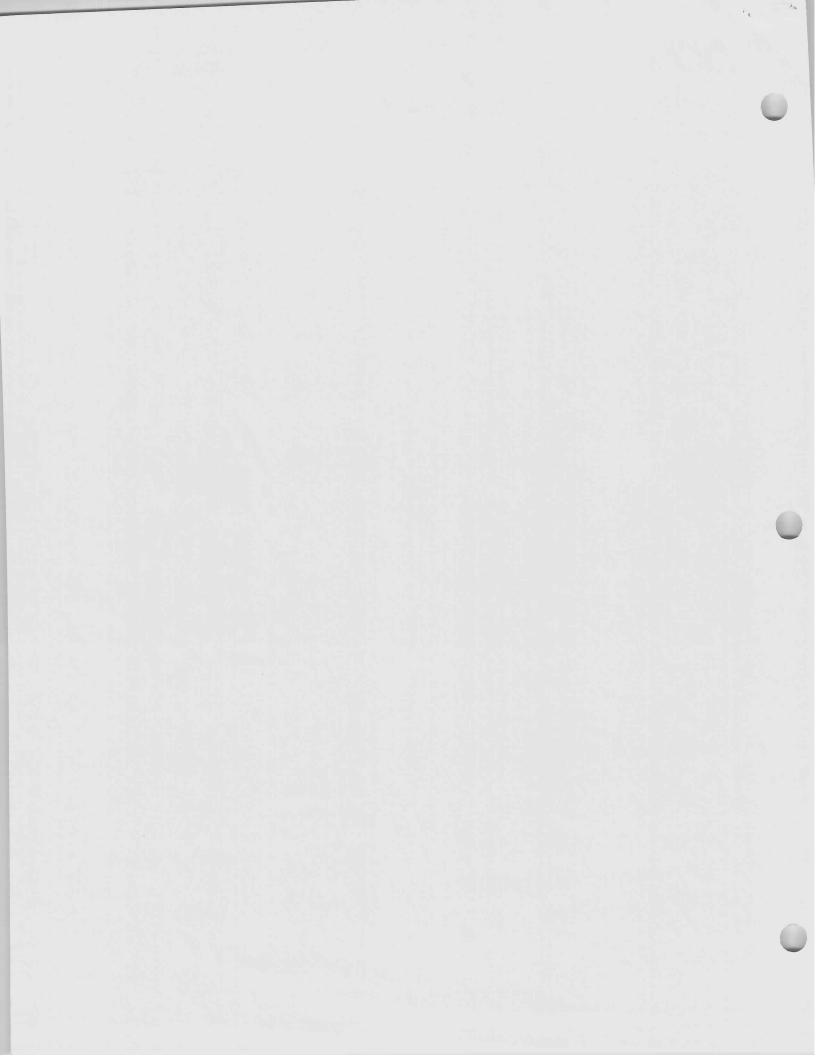
00 00 00 00 00 00 8000 00 00 0 00 19 tubes

Tets prepped@27:28pm Abs 11:12 Tels @ 11:00pm > 11:41 pm 15+ mash@9:32pm 2nd@11.52pm > samples spine 11:47pm

Cold samples @12:02 am = 32 Intra sc @00:13-> 00:53 am

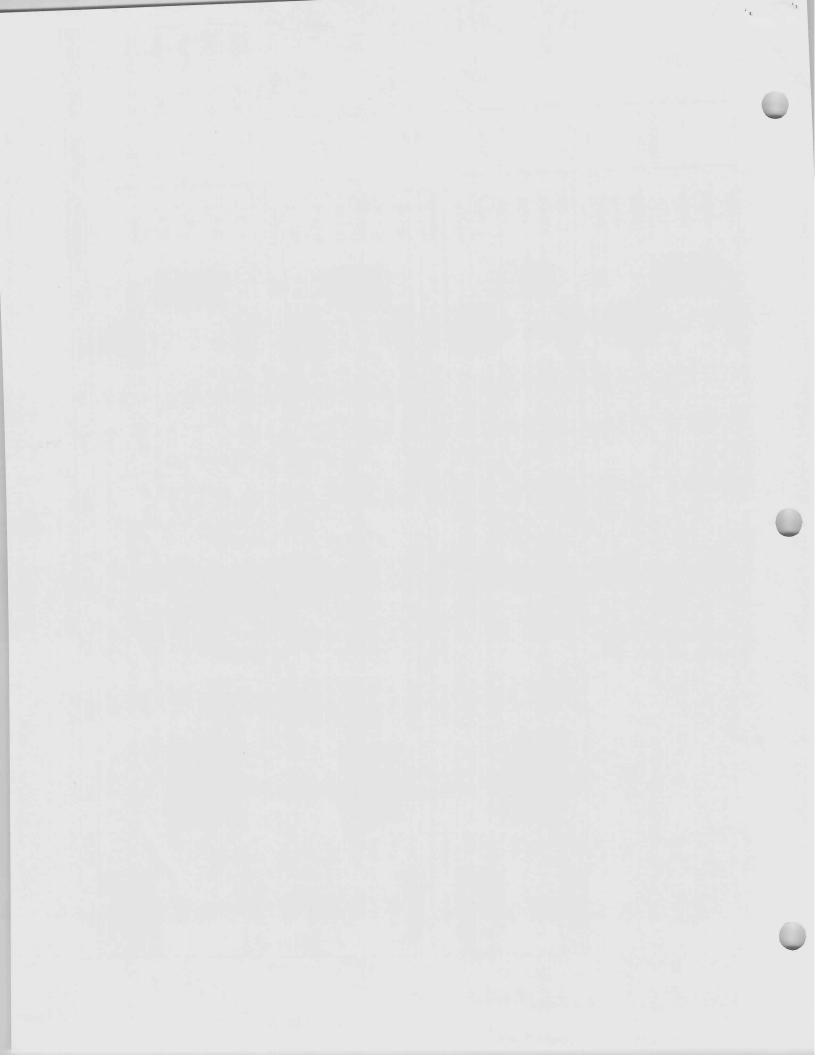
man Ses statostore acoizz

12:45 am last FBS wash		
Surples FixPer @ 1:01 -> 10 -> 1:21PM		
ses done co 1:05 an		
ist Crash @ 1:24am		
1st Crash @ 1:24am 2001 @ 1:38 am		
Intrace 1:53 -> 2:33 am		
Final spin @ 82:35 an		
Done @ 2:50 pm		
25pl samples 15pl Cor-scis/v.	tand	
13/1 42/303/11		- 16
N0006 D	ockr for sc probably o	cap not fitting
Sunder a = 128 an	15-chil vistacet ally Infectional	overlaid
Samples C 5:08pn  act.	ally Interior	un mixing
Trac gaster 1		by Acentrals?
		10
000	600 100	140
Inf 786 Inf 574	Inf523 Inf661	
13.411 6.811 2011/21	22K/25K Z4K/3.5	Inf318 21.41/2.21
CONTRA		
Done @ 6:05 pm	Marceyle FSE/SSC	position,
	nealth, and	ivater, organ?
	In (numbers) collis Cells	



								Mai	1/2/		549	(X	1.83		9	200		100			90' 12 (2)		ND050	INF318	TOOL	INEGG1	INF5/4		INF786
				8			7 [				137 - Artes	J	``	7		50	-	105/1)		1000	in a	00	8.14	12.89	20.7	10.04	9.23	0.30	8 03
-				CD107a							PMA								R10				Ь	2	2	·	2 د	^	Volume
NDOJO	NIDOFO	INEC10	INF661	INIFE 22		Sample INE786		ND050	INF318	INESS1	INF5/4	INF/86	Sample		ND050	INF318	INF661	INF523	INF574	IN+/86	Sample		8.14	6.45	10.35	6.82	4.62	4.47	Con
0	0 0	) (	ח ס	0	σ	2		) V	) V	, 2	2	2	3M		0.63	0.534	0.7161	0.56	0.35	0.33	3M		0.37	0.47	0.29	0.44	0.65	0.67	on 3M
5.5	5.5	1 0	7 5	5.5	5.5	2.75M	1.83	1.83	1 1.83	1.83	1.83	1.83	2.75M		0.578	0.5345 0.489	0.650	0.513	0.320	0,300,000	2.75M		0.34	0.43	0.27	0.40	0.60	0.62	2.75M
б	G	ر	י ט	ъ	G	2.5M	1.66	1.66	1.66	1.66	1.66	1.66	2.5M	0.000	0.578 WM 576	0.445	0.591	0.466	0.320 0.291	0.273	2.5M		0.31	0.39	0.24	0.37	0.54	0.56	/ 2.5M
4.5	4.5	4.5	4.5	4.5	4.5	2.25M	1.5	1.5	1.5	1.5	1.5	1.5	2.25M	0.4	0 /7	0.40	0.53	0.42	0.26	0.25	2.25M		0.28	0.35	0.22	0.33	0.49	0.50	1 2.25M
4	4	4	4	4	4	2.0M	1.32	1.32	1.32	1.32	1.32	1.32	2.0M	0.420	0.000	0.356	0.473	0.373	0.233	0.218	2.0M		0.25	0.31	0.19	0.29	0.43	0.45	2.0M
3.5	3.5	3.5	3.5	3.5	3.5	1.75M	1.16	1.16	1.16	1.16	1.16	1.16	1.75M	0.368	0.355	0 311	0.414	0.326	0.204	0.191	1.75M	17:0	0 21	0.27	0.17	0.26	0.38	0.39	1.75M
ω	ω	ω	ω	ω	ω	1.5M	Ь	1	Ъ	Ь	Ъ	ь	1.5M	0.32	0.27	0.27	0 36 0	0.28	0.17	0.16	1.5M	0.10	0.10	0 23	0.14	0.22	0.33	0.34	1.5M
							0.83	0.83	0.83	0.83	0.83	0.83	1.25M	0.262	0.222	003.0	0 295	0.233	0.145	0.136	1.25M	0.13	0 0	0 10	0.12	0.18	0.27	0.28	1.25M
			Ь	Ь	Volume		0.66	0.66	0.66	0.66	0.66	0.66	1.0M	0.210	0.1/8/12	0.178	0.236 186	0.186	0.116	0.109	1.0M	0.12	0.10	0 16	0.10	0.15	0.22	0.22	1.0M
			11.5	9.24	Lym		0.5	0.5	0.5	0.5	0.5	0.5	0.75M	0.16	0.13	0.10	0 18	0 14	0.09	0.08	0.75M	60.0	0.12	0 1 3	0.07	0.11	0.16	0.17	0.75M
		20.74	11.5	9.24	Total		0.33	0.33	0.33	0.33	0.33	0.33	0.5M	0.106 56		0.00	0 110	0 094		0.085 5	0.5M	0.06	0.08	0 1	0.05	0.07	0.11	0.11	0.5M
			10.37		Average																								

TO SO TO TO TO THE TOTAL TO THE TOTAL TO THE TOTAL TOT



# 10/6-20 # 00/6-20 # 00/6-20

AF647 hMR1 5-OP-RU 2 14.4	i i i i i i i i i i i i i i i i i i i	Pippette draw volume/sample: 17.8 213.6	Va7 1.2 I				III PROMITE	And UNSTAINED CONTROLS III		A	R8	R/		R4	-		23 813	88		20 84		-			-	14 VII	1		11 V7	10 V5	<b>S</b> 3	9 V3		7 8976	6 U14	5 0711	4 UV10	3 UV9	2 UV7		The single color (u) Ref ctrl Commanily ctrl name
	1	ſ		Z]						APC/Fire 810	APC/Fire 750	Zombie NIR	APC-R700	AlexaFluor647	APC	PE-vio770	PE-Cy5	PE-Dazzie594	PE	PerCP-Cy5.5	Spark blue 550	FITC/AF488	BV786	BV750	BV711	BV650	BV605	OTCAG	BV480	Pacific Blue	Pacific Blue	BV421	BUV805	BUV737	TOOKOOT	BUVEST	E46Ang	BUV496	AF	BUV395	Fluorochrome
Tet.PBS			0.8	mbie NIR		9				CD38	CD27	r/b	CD107a	Va7.2/hMR1	CD16	PD1	CD25	TNFa	NKG2D	CD26	CD3	Va24/hCD1d	CCR6	IFNY	CD7	CCR7	CINEO	CD45RA	CD161	CD19	CD14	CD127	CD4	CXCR3	V82	CCR4	CD69	CD8	AF-UV6	CD62L	Marker
1 <u>9</u>		6./2	16.8			Pippette draw volume /sample	R10 Media	Antibody Total		НП2	0323	N/A	H4A3	3C10	3G8	PD1.3.1.3	M-A251	MAB11	1D11	BASb	SK7	6B11	11A9	B27	M-1701	5.1H11		HI100	HP-3G10	\$125C1	M5E2	A019D5	SK3	1C6/CXCR3	86	161	FN50	RPA-T8		SK11	Clone
<b>20</b> 2_18		7 Zombie	17.5 P			e /sample																		1	T																Vial Lot #
<b>30</b>		ombie	BS			19.5	14.5	6.0				0.0					1				1	1			1					1	1	1					1	+	1	Total Const	During stim!!!
	1-1-	,					275.5	114				114							1		1		t	1	-			1	1	1	1	1	1	1		+	+	+	+	200760	ng 19
1	Number Surface SCs (29) Number Intracellular SCs	Number Unstained	Number Samples			Pippette draw volume /sample	Brilliant Stain	Antibody Total			<1:2500>		<2								^									1							1				L/D 15 min (RT)
_		1000			andimar/ a	e /sample	5						<2:10/1.2>								<:10/1.5>																				Tetramer 40 min @ RT
	6	- 100		STO	3	65	50	17.8	1.6	2						1.2		1.5				1.5		1	1	1.0		2			1.5	1.5			2.0	2					HotStain 30min @37C
204.3	29	152	FBS RB	S		0	950	338	30.4	38						22.8	1000	28.5				28.5		19	19	19		38			28.5	28.5			38					100	7 <sub>C</sub> 19
8.7	00 4	5.7	RBC Lyse Fix		59.5	30.0	500	12.5	Tiese .					0.7	1.5					1.2							0.7		2.0	2.0			1.3	0.7		0.5	0.7		1.2	(	ColdStain 30min @4C
14.7	5.8	5.7				000	050	237.5						13.3	28.5					22.8							13.3		38.0	38.0			24.7	13.3		9.5	13.3		22.8		19
178 160.2	58	7	Perm																																					Fix/Pe	RBC Lyse,
	0.58		PFA		19.5	1		9.5							0.5	0.5	1.5	0.5	2.5	0.1			1.5	0.7	0.7	01						0.5		0.1		1				III (III)	yse, Spiked 40 min
7 2	1.00	-			-	000	1	180.5	000			1	1	1	9.5	9.5	28.5	1	47.5			-	28.5	10.0			Nes	1550	2000	1000		9.5	100		NO.				-		3

Thaw cells, DNAss, count.

Oblect, count, aliquot cells 2:3.0E+6 Cells R10 / 5rn bolystyrens tube
Bring volume up to "x" mt. R10, add "y" µt. PMACtrl and "z" µ CD107a
Cap and incubate at 37°C for 6 hours Wazz PENNEZD

Va7.2 PENNEZD

APC CD16 #ILT specific #

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

Vash 2 ml 5% PBS-FBS 1400 rpm, 6 min

dd HotStain mix, incubate @37C for 30 min

lash 2 ml 5% PBS-FBS 1400 rpm, 6 min dd Tetramers, incubate @RT for 10 min

Add ColdStain mix, incubate @ 4C for 30min Add 300-500 ul 1x RBC Lysis for 3 minutes Wash 2 ml 5% PBS-FBS 1400 rpm, 6min

00 ul BD FixPerm, incubate @ 4C for 20min

(vortex every 10 minutes)

First PermWash: Second Perm Wash: 1 ml PermWash 1500 rpm 6 min 1 ml PermWash 1500 rpm 6 min

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

pend in 70 ul 0.4% PFA-PBS

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

Reasons proposal @ 7:44pg ps 61 about a Sister Sign

Tetramer Control Mix
AF488 hCD1d Unloaded
AF647 hMR1 6-FP

20 2\_18 2\_18

PFA 0.157 PBS 1.413

PBS

Perm Water 204.3

UV15	0 0 0 10 10 10 10 10 10 10 10 10 10 10 1	697 UV12 717 UV13 738		13	42 UV8 82 UV9 98	014 UV7	173 UV6			1
BUV805	BUV737		BUV661	BINGLE	BUV563	BUV496	AF	ω 4	<sup>1</sup> BUV395	5
[50]	[40]		1501		155	[56]			[50]	
CD4	CXCR3		V82		CD69	CD8			CD62L	
V15 V16	V14	V12 V13	V10 V11	<b>∀</b> 9	8 5 6	<b>√</b> 5	≨ <u>≲</u>	<b>5 5</b>	_	1
BV786	BV750	BV711	BV605 BV650		<b>BV510</b> BV570	BV480	PacBlue	BV421	Aloiet	Violat
[50]	find	1551	150)	Tartonen a	2	1551	[55]	145	+	$\frac{1}{1}$
CCR6	IFNγ	CD7	CD56 CCR7	ESSENTANCES CONTRACTOR	CD45RA	CD161	CD14/19	CD127		
B12 B13 B14	B11	B8 B9	B6 B7	8 0	_	B			士	
e e		PerCP-Cy5.5			FITC/AF488 SparkBlue 550				Blue	
		Ŧ			153				$\dashv \mid$	
		CD26			Va24/hCD1d CD3					
YG9		YG5	YG3	YG1					$\forall$	
Pe-Vio770		PE-Cy5	PE-Dazzle594	PE					Yellow-Green	
[50]		Ē	100	1501					11	
PD1		CD25	TNFα	NKG2D						
R7 R6	R R	Z Z Z								
Zombie NIR APC-Fire 750	APC-R700	APC AF647							Red	

CD16 Vα7.2/hMR1

CD107a

Viability CD27 CD38

