	July 3rd, 20	023						2022		
	Specimen	Status	Location	Conc	Date	Notes	Volume		ILT_11	
2030 C.	Inf0230		6	C10.237		LNZ inside	Volume	5.81	Lym+Mon	Total
copl	a-1		(1)	<9.847			1	6.15	11. 1	
HOPI	Inf939-1 6x-37	HUS	(1)			Lysed !!	(			
Hopl	bx · z	VOLB	9			Lysed "	1			
норІ	Inf636-5	HU 27 Trige	2			lyscol? res fined	1			
1760c. 60pl 2010c.	Inf 548-7	HEU-107 TEBN	(3)	(8.26 >	27 ]	fal shoe a up o	(	6.37	10.5	
6011		TE9J	(10)	(3.567		light hall	E L W	6.09	10.1	
Mople noc.	Inf315-9	HEUthid SNN8	(4)	94.197			(	6.27	10.0	
40ph	a-2	SNKq	84	10.117			1	8.91	14.0	
40/	ND050	Adult	7	20E6 (11.037)	/13/23		1	8.89	12.7	
100 cm		Adult 9	(0) <u>c</u>	7.247	12/23	19	1	13.5	16.9	
1	1:15 an 5 1:250 alga	tain for	10:36 Count	pulks o e	10:10 10:13 10:54	10.50	0	/0		0 0 1.5

Inchation@12:56 -> 6:56pm

Rengento & Als prepped @ 4:12 pm

> sc spin @ 6:58 pm

We 7:19pm not 50's @ 7:25 -> 7:55 spine 7:56 acid scs @ 7:34->8:04 spin @ 8:08

Spine 7:40 pm

CB:46 telsprepped>

Hote \$:54 pm -> 8:24pm spine 8:27pm

Fox 8.23 >:33 >:43 -> 15 worsh @ 8:47 pm Per Tets @ 8.42pm -> Indiversit e goops

Va Abs @ 3:52 pm - 3 @: 22 pm / spine 9:27 pm 9: 16 Intrac sc5 -> 9:56

>> PM @ 9:58AM

000/0 10 15

9:41 pm coid -> 10:11 pm Rhe yse @ 10:14pm 5pm @ 10:20pm

10:31 pm >41-> 51pm 10:54pm firstwash -10:05pm 2 od waster

11:17 pm -> 11:57 Intracel Var

Done 00:07am v

Qc Avera @ 2:48 pm (soo ticed)

2:54 pm sc shrt

Delherative for colle vancing on pmn.

Virid mic?

Coffee @ 3:55 pm Brb e

3 4:11 pn

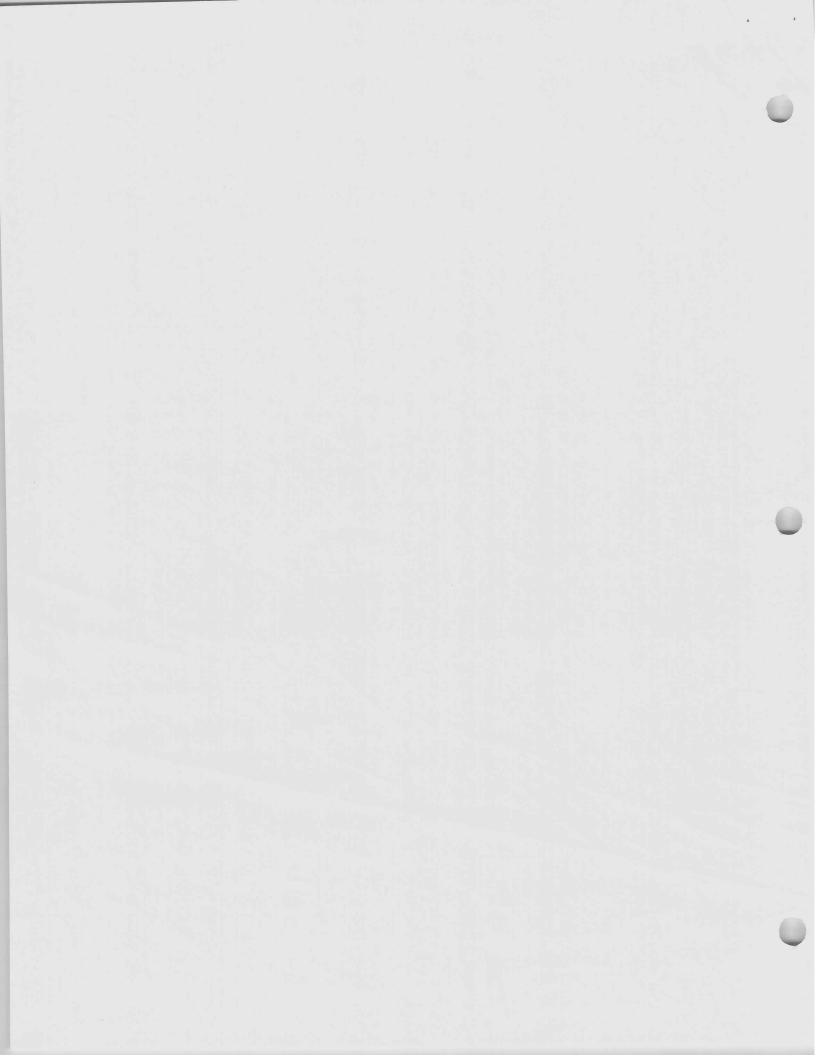
1000 bcc 5:06

Tal 315 ptetch 1 cond

anchored

24W/311 29M 6 M 2511/3:811

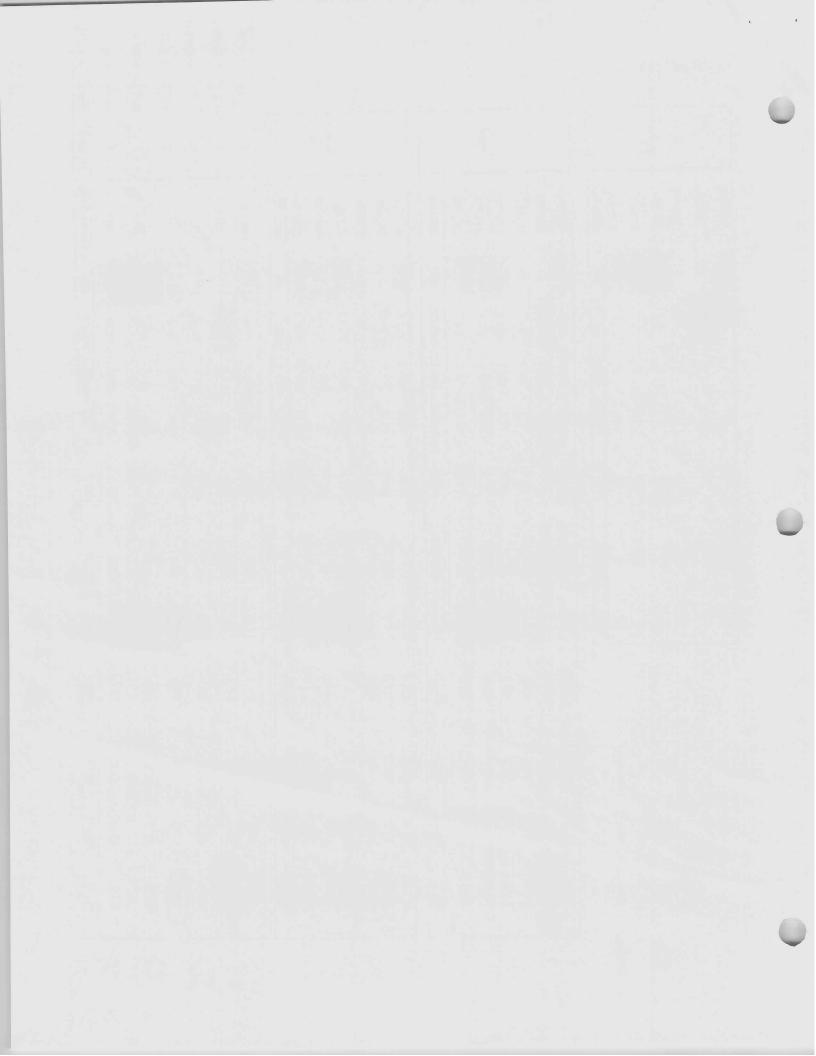
170pl Poace 5:06



	NDOOR		_		INF548	INF028	sample	
7	13.5	8.89	2	15.18	12.46	11.96	lotal	
	Н	ч	2	2	2	2	Volume	
Camala	13.50	8.89	1.00	7.59	6.23	5.98	Concentration 3M	
	0.22	0.34	3.00	0.40	0.48	0.50	3M	
	0.20	0.31	2.75	0.36	0.44	0.46	2.75M	
	0.19	0.28	2.50	0.33	0.40	0.42	2.5M 2.25M	
	0.17	0.25	2.25	0.30	0.36	0.38	2.25M	
	0.15	0.22	2.00	0.26	0.32	0.33	2.0M	
	0.13	0.20	1.75	0.23	0.28	0.29	1.75M	
	0.11	0.17	1.50	V	0.24	0.25	1.5M	
	0.09	0.14	1.25	0.16	0.20	0.21	1.25M	
	0.07	0.11	1.00	0.13	0.16	0.17	1.0M	
	0.06	0.08	0.75	0.10	0.12	0.13	0.75M	
	0.04	0.06	0.50	0.07	0.08	0.08	0.5M	
- 1		<b>5</b> '	10 0	- 62	100/	4/x	n i	2

			5	CD107a							PMA							R10		
ND006	ND050	INF000	INF315	INF548	1N+028	Sample	ND006	ND050	INF000	INF315	INF548	INF028	Sample		ND006	ND050	INF315	INF548	INF028	Sample
6	6	6	6	6	6	3M	2	2	2	2	2	2	3M		0.78	99.0	0.60	0.52	0.50	3M
5.5	5.5	5.5	5.5	5.5	5.5	2.75M	1.83	1.83	1.83	1.83	1.83	1.83	2.75M	0.7	0.007	0.607	0.554	0.475	0.456	2.75M
5	5	G	5	Сī	G	2.5M	1.66	1.66	1.66	1.66	1.66	1.66	2.5M	0.010	0.532	-1.66/	0.504	0.432	0.415	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	0.30	0.50	-1.50	0.45	0.39	0.37	2.25M
4	4	4	4	4	4	2.0M	1.32	1.32	1.32	1.32	1.32	1.32	2.0M	O.S.	0.441	-1.334	0.402	0.345	0.332	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	0.453	0.386	-1.167	0.352	0.302	0.290	1.75M
ω	ω	ω	ω	ω	ω	1.5M	P	Ь	1	1	1	1	1.5M	0.39	0.33	-1.00	650	0.26	0.25	1.5M
							0.83	0.83	0.83	0.83	0.83	0.83	1.25M	0.323	0.275	-0.834	0.251	0.215	0.207	1.25M
			Ь	₽	Volume		0.66	0.66	0.66	0.66	0.66	0.66	1.0M	0.259	0.221	-0.667	0.201	0.172	0.166	1.0M
			8.91	6.27	Lym		0.5	0.5	0.5	0.5	0.5	0.5	0.75M	0.19	0.17	-0.50	0.15	0.13	0.12	0.75M
		15.18	8.91	6.27	Total		0.33	0.33	0.33	0.33	0.33	0.33	0.5M	0.130	0.111	-0.333	0.101	0.087	0.083	0.5M
			7.59		Average												7			

1.83 = 129 × 129



AF488 AF647	Tetramer Mix	Pippetti	1110111	AFFA7	Va Mix		AND UNS			29	28	27	26	25	24	23	2 2	2 2	3   5	5 6	18 5	1 6	:   5	14	13	12		=	10		0 00	7	6	].	n	4			-	1
hCD1d PBS-57 hMR1 5-OP-RU	Mix	Pippette draw volume/sample:	Vd/	Va24Ja18			AND UNSTAINED CONTROLS !!!			R8	R7	R6	R4	R2	RI	813	B0 88	84		83	82	VIS	V14	VI3	11.	OTA		V7	V.5	V S	5	UV16	014	17.40	OTAG	GAO	I AVO		UV2	riller
			PBS	H			ROLS III																																	riner single color (ui) Ref ctrl
0.5 2.4 2.6	4	19,5		1.5 12																																				ctr/ name
T.	7			72	1					APC/Fire 810	APC/Fire 750	Zombie NIR	ABC-8700	APC	PE-vio770	PE-Cy5	PE-Dazzie594	PE	PerCP-Cy5.5	Spark blue 550	FITC/AF488	BV786	BV750	BV711	BV650	BUCCE	BV510	BV480	Pacific Blue	Pacific Blue	BV421	BUV805	BUV737	BUV661	BUV615	BUV563	BUV496	AF	BUV395	Fluorochrome
Tet:PBS				Zombie NIR 0.8		Pi	2	Ar		CD38	CD27	E/OTOT	Val.2/hMR1	CD16	PD1	CD25	TNFa	NKG2D	CD26	CD3	Va24/hCD1d	CCR6	IFNy	CD7	CCR7		CD45RA	CD161	CD19	CD14	GD127	CD4	CXCR3	V82	CCR4	CD69	CD8	AF-UV6	CD62L	Marker
1 9			4.16	10.4		Pippette draw volume /sample	R10 Media	Antibody Total		HIT2	0323 0323	H4A3	3C10	3G8	PD1.3.1.3	M-A251	MAB11	1011	BA5b	SK7	6811	11A9	827	M-T701	5.1H11		HI100	HP-3G10	SJ25C1	M5E2	A019DS	CAS	1C6/CXCR3	86	161	FN50	RPA-T8		SK11	Clone
2_18			5 Zombie	12.5 pas		'sample		_																																Vial Lot #
<b>30</b>			bie			19.5	14.5	6.0				6.0																												During stim!!!
] [	NC	2 2	N a			2	188.5	78	-	-	٨	78						1	-	-		1																		13
	mper intracellula	Number Surface SCs (29)	mber Unstained	The Camping		Pippette draw volume /sample	Brilliant Stain	Antibody Total	L		<1:2500>																													L/D 15 min (RT)
	Total	s (29)				ume /sample	Stain	Total					<2:10/1.2>							<:10/1.5>	and the same																			Tetramer 40 min @ RT
	6	29	10 13			65	50	17.8	1.6	2					7.7	3	1.5				1.5		1	1	1.0		7	3		T.5	1.5			2.0					(	HotStain 30min @37C
161.1	179	29		FBS RI		armen.	650	231	20.8	26					0.61	100	19.5				19.5		(13)	ji,	13		6	36	1	19.5	19.5			26	25					13
9,4	0	0 4	3.9	RBC Lyse Fix		59.5	50.0	12.5					0.7	0.7	100				1.2								07	2.0	2.0			1.3	0./		0.5	0.7		1.2	0	ColdStain 30min @4C
12.9	1.2	5.8	3.9				650	162.5						91	100				15.6							2.1	91	26.0	26.0			16.9	9.1		6.5	9.1		15.6		13
138.6	24	58	52	Perm PFA					172																															RBC Lyse, then
1.39	0.12	0.58				19.5	11	9.5						0.5	0.5	1.5	0.5	2.5	0.1			1.5		0.7	0.1						0.5		0.1		1				(C)	Spiked 40 min
							143	123.5						6.5	6.5	19.5	6.5	32.5	1.3	0.000		19.5	The state of the s	9.1	1.3						6.5		1.3		13.0					13

## Simplified Protocol

Thave cells, DNAss, count.
Collect, count, aliquois cells 2-3.0E+6 Cells R10 / Sml polystyrens tube
Bring volume up to "x" ml. R10, add "y" µt. PNACH1 and "z" µt. CD107a
Cap and incubate at 37°C for 6 hours

Wash 2 ml 5% PBS-FBS 1400 rpm, 6 min Add HotStain mix, incubate @37C for 30 min Wash with 2 ml PBS, spin down 1300rpm 8min 800 ul of LiveDead mix (1:2500) @RT for 15min Wash 2 ml 5% PBS-FBS, spin 1300 rpm, 8min

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

300 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

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

Resuspend in 70 ul 0.4% PFA-PBS

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

AF647 hMR1 6-FP

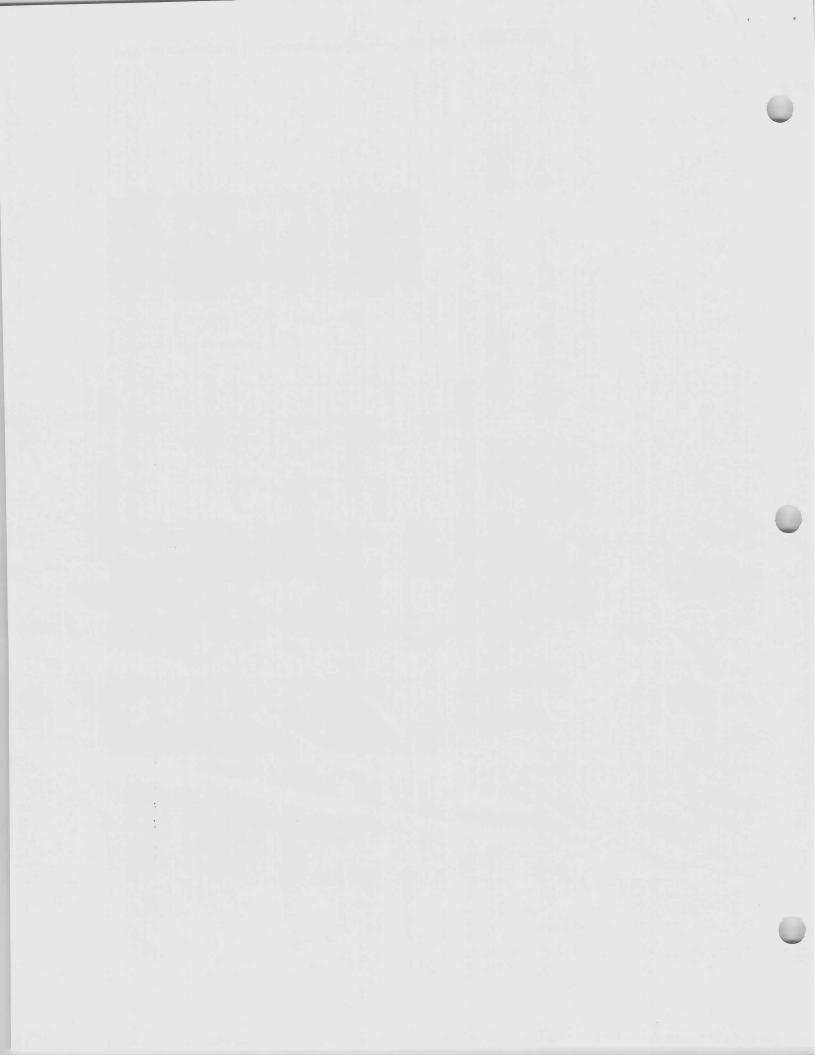
PFA 0.139 PBS 1.251 
 FBS
 89.5

 PBS
 89.5

RBC Water 
 Perm
 15.4

 Water
 139

0.69 6.21



ILT & NK SFC Panel

-7	738 750		- 1	at the same of		525	514	473	458	443	428	388	373	Spectrum
UV15	UV14	UV12	UV11		6VD 8VD		UV7	DV6	UV5	UV4	UV3	UV2	LV1	
BUV805	BUV737		BUV661	BINGS	BUV563		BUV496	AF.				BUV395		V
50	1401		[50]		it s		1881					DC.		-
CD4	CXCR3		V62		CDee		CD8					CD62L		
V15	V <sub>14</sub>	V12	V11	§ 6	<b>5 5</b>	\ 6	<b>5</b>	<b>\$</b>	<b>V</b> 3	<b>≤</b> 2	5			
BV786	BV750	BV711	BV650		BV510		BV480		PacBlue		BV421			Violet
1501	3	ja Ja	100		Eg.		[55]		[55]		[45]		1	
CCR6	IFNγ	CD7	CCR7		CD45RA		CD161		CD14/19		CD127			
B12 B13	B11	B B	B6 B7	B5	B3	B2	B <u>1</u>						1	
		PerCP-Cy5.5			SparkBlue 550	FITC/AF488								Blue
		(45) CD26			CD3	Vα24/hCD1d								
YG9		YG5	YG3	YG1									I	٦
Pe-Vio770		PE-Cy5	PE-Dazzle594	P									0.001	Yellow-Green
1501		Ī	1001	150										
PD1		CD25	TNFα	NKG2D										
R6 R7	R5 R4	R3 R3	꼬											
Zombie NIR APC-Fire 750 APC-Fire 810	APC-R700	AF647	APC										Ven	RD PA
Viability CD27 CD38	CD107a	Vα7.2/hMR1	CD16											

