2023 ILT 04

	G .	T @	T					2023_	_IL I _04	
20000	Specimen	Status	Location	Conc	Date	Notes	Volume	Lym	Lym+Mon	Total
55	TU+010-	HU ? NWICC	Box 3ACI	~5 (5,376)		&	0.75	12.8	18.0	9.6
850c.	Q-6	RWK D	4	6.879		open, los choid-, thour issue	0.75	10.6	15.5	7.95
00 c.	Inf374-4	HEU-JO 5VSØ		27.5 (U))		0.75	9.5	13.4	7.12
5/1		SUSI		6.179		1 1/2-2	0.15	8.1	12.6	6.08
5p1	Inf287-7 a-4	HEU-lo SLZ1	B0×7B B1@	~5 ③			0.75	CLE		4.70
60 c.	1400	5L72	. 29	8.17 (6)	Vsa	loose tapel thorize	0.15	6.3	11.7	4.70
5/1	Inf191-1 a-5	HEU-hi SLAN	Box6BC7	~10		Vapory work let?	i	7.1	13. Z	L E
soc.	NDOSO	Adult	<11	15E4 47 (2)	1/3/23		1	8.5	12.2	
9/1	NDOOG	Nom		15EG 8.27 (1)	1/20/23	Cosh pri ri	1	11. 8	14.7	
	Part Like		yw f _{ry}					/		

10:18 am	Adult Than 10:41 por	kyc addr
10:31 am	0000 10:47 Spin	1100 DWASE
10:51 am	Ladaly or 287	11:10 DANSE
11:39 am	stain for comb	
12:09 pm	count done	
12:29 al		
1:24 WE	0006	

n=17	n=10
0000	00
2.5M 0.0 0	00
0.00	00

1:43 pm Cells into Incubator

* Note Inflat PMA Tomadose - VS NDOBO VARMA

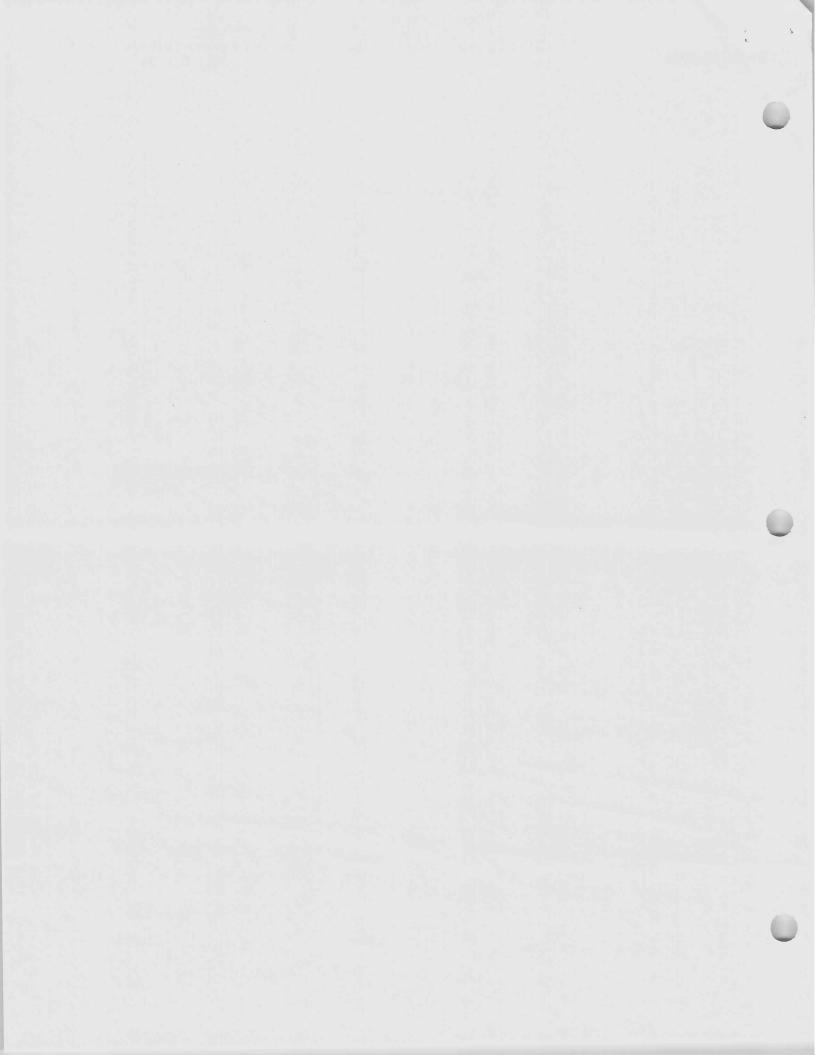
maybe up to x2? . Nort 1 1: 4a rowed 830M added 5/10 1: Ha raised 830/1 added 5/1000/2. to costere Pur Minh balunce, at cost calls/pl cone = 3.0 1.5 M/

5:38 most Alos 2 reagents prepped Cexhaustre geard for BV430 (DIGI, reRG, cD14) 6:03 everything - zombie NER prepped 11

7:51gnSpin@ HOC 8:001 - space 8:19pm 20:24 SE Spin Hotsumples@ 8:47-19:17 pm / Spine of 21 n=36 5c's

Zambie 50's @ 8:52 -> 9:07pm het se's @8:59 -> 9:29, Cold ses @ 9:08 -> 9:381 9:32 Lets prepred Tetse 9:48 -> 10:28 pm Als @ 10:00 -> 10:30 pm & FixRm @ 9:56-706-716 se Tight spine 16:22 Cold samples @22:49-723:29 Sc's intrac @ 10:58 = 16:38 pm Se's done @11:06pm Rbe Isce 11:26 pm Spin@11:34pm Mord speamers [

Sample Fox Perm @ 11:48 758 -700:08	4 ₆
5.5 done @ 11:50 pm w/ 20 H of 0.4% PEA	
2nd maple 19:24 aug	he lives O
[Intrac @ 12:37 am -> 1:17am]	
2nd raphelg: 24 am [Intrace 12:37 am > 1:17 am) [Incell ventus] [Incell ventus]	
Done @ 1:33 am, placed in 30pl is of a morther of of a morther	
Starte 8:30 pm 535 pl > actually a ctrl well this time. Novose	37/1
200,000/	
9:45 motameds	1
	10
	T Mai
Inf070 del 4900/112 5501 (power shape) 50/1	Inf 191
1900/12 93//	35/1 41/1 Very Gar abu
PMD 4100/68 45/1	very few alu'n PMA
10:01 15000/743 48/1 [2.5 m sets]/tube	
# itlow communicate effectively to peers, siles, etc not in same from	/// 1/>/
* Tuf374 2201 101 101 10 7 10 10 10 10 10 10 10 10 10 10 10 10 10	me/May ht: A
TOF374 BEPI tet > hiccop dump 7 pl. *	
287 25W/3900 - How much variation parcally is accept	tabk?
Done @11:00 pm	



																									ND006	ND050	INF191	INF287	INF374		Sample INF070
																7								,	11.8	ж Л	7.7	9.45	13.2	17:50	Total
					CD107a							-	PMA								R10				— н	۱ حـ	_	1.5	1.5	1.5	Volume
	ND006	ND050	INF191	INF287	INF374	INFO XO	NEOZO	-	ND006	ND050	INF191	INF28/	INF3/4	INF070	Sample		ND006	ND050	INF191	INF287	INF374	INF070	Sample	11.00	11 80	2 .	7 70	6.30	8.80	11.70	Con
d	ת	6	6	6	6	6			2	2	2	2	2	2	3M		0.75	0.65	0.61	0.52	0.66	0.74	3M	0.25	0.35	0.39		0.48	0.34	0.26	on 3M
0.0	7	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		0 683	0.592	0.559	0.479	0.604	0.681	2.75M	0.23	0.32	0.36	9 9	0 44	0.31	0.24	2.75M
U	1 (л	G	G	5	G	2.5M		1.66	1.66	1.66	1.66	1.66	1.66	2.5M	170.0	0 631	0.539	0.508	0.436	0.549	0.619	2.5M	0.21	0.29	0.32	04.0	0 40	0.28	0.21	1 2.5M
4.5		<u> </u>	4.5	4.5	4.5	4.5	2.25M		1.5	1.5	1.5	1.5	1.5	1.5	2.25M	0.00	0 0	0.49	0.46	0.39	0.49	0.56	2.25M	0.19	0.26	0.29	U.36	2	0.26	0.19	1 2.25M
4	4	٠ .	4	4	4	4	2.0M		1.37	1.32	1.32	1.32	1.32	1.32	2.0M	0.49/	104.0	0.400	0 406	0.349	0.439	0.495	2.0M	0.17	0.24	0.26	0.32		0.23	0.17	2.0M
3.5	ŭ.) ((υ (л (ω π	3.5	3.5	1.75M	1.11	1 16	1.16	1.16	1.16	1.16	1.16	1.75M	0.435	0.3//	0.356	0 0	0.305	0 384	0.433	1.75M	0.15	0.21	0.23	0.28	į	0.20	0.15	1.75M
ω	ω	U	υ (υ ——	ω	ω	1.5M	-	-	h i	ь	<u> </u>	Н	ı l	1.5M	0.37	0.32	0.31	0 0	0.56	0.33	0 37	1.5M	0.13	0.18	0.19	0.24	Ç	0 17	0.13	1.5M
								0.00	0 (0.83	0.83	0.83	0.83	0.83	1.25M	0.310	0.269	0.254	0.210	0.274	0.574	0 300	1.25M	0.11	0.15	0.16	0.20	1 C	0 14	0.11	1.25M
			0.75	0 75	0 75	Volume		0.66		0.66	0 66	0 66	0.66	0.66	1.0M	0.248	0.215	0.203	0.1/4	0.219	0.240	0 240	1.0M	0.08	0.12	0.13	0.16	0.11	0 11	0.09	1.0M
			0.5) (υ . π	Lym		0.5	, ,	о с	0 7 0	Э	0.5	0.5	0.75M	0.19	0.16	0.15	0.13	0.15	0.15	0.10	0.75M	0.06	0.09	0.10	0.12	0.03	0	0.06	0.75M
		9.45	4.725	1 5 1	4 725	Total		0.33	0 0	0.22	0 0 0	0 23	0.33	0.33	0.5M	0.125	0.108	0.102	0.088	0.110	0.124	0.014	0 A	0.04	0.06	0.06	0.08	0.06	0	0.04	0.5M
			4./25		ģ	Average						~	33	(1,041)	9	(is E	6.62	-	ż	i	5 8	30	- Color	C-10	}						

THE OIL TO ME TO M

भव केंद्र इंग्ल भक्ष केंद्र हैंग

Etraner Control Mix 2 AF488	2 12	Tetramer Mix S AF488	Pippette draw volume/sample: 17.8 178	П			The state of the s	And UNSTAINED CONTROLS III			29 RV		26 84			23 B13		1	20 B4	-		17 B2	16 V/15			12 V10		11 V/	10 VS			VI D			5 UVII		3 (1)/9	3 1477	1 0v2	
			_		1					APC/Fire 810	APC/Fire 750	Zombie NIR	APC-R700	AlexaFluor647	PE-VIO//O	PE-Cy5	PE-Dazzie594	PE	PerCP-Cy5.5	Spark blue 550	FITC/AF488	BV786	BV750	BV711	BV650	BV605	OTCOL	BVS10	Pacific Blue	Pacific Blue	BV421	BUV805	BUV737	BUV661	BUV615	BUV563	BUV496	AF	BUV395	Fluorochrome
Tet:PBS Tet:PBS	Tet:PBS	Tet:PBS		Zombie NIR 0.8						CD38	CD27	L/D	CD107=	Va7 2/hMB1	PD1	CD25	TNFa	NKG2D	CD26	CD3	Va24/hCD1d	CCR6	IFNY	CD7	CCR7	CDSG	СБЧЭКД	CD161	CD19	CD14	CD127	CD4	CXCR3	V82	CCR4	CD69	CD8	AF-UV6	CD62L	Marker
1_9 1_9	1.9	1 9	6.08	19 15.2		Pippette draw volume /sample	X TO Wiedia	Antibody Total		НІТ2	0323	N/A	DID	368	PD1.3.1.3	M-A251	MAB11	1011	BA5b	SK7	6811	11A9	827	M-T701	S.JHII		HI100	HP-3G10	SJ25C1	M5E2	A019D5	SK3	1C6/CXCR3	B6	161	FN50	RPA-T8		SK11	Clone
20 2_18 2_18	2_18	20	7 Zombie	17.5 PBS			H																-																	Vial Lot #
3 27	3.27	30	ō			19.5	14.5 24	120	60	-		6.0 1	-							-																				During stim!!!
PBS	PBS	Number	Number	Number		Pippet	246.5	707	3		<1:2500>	102			-	1	1	1	+	1	-	-					-		-	1	-	-				-		-		17
		umber Intracellular SCs	Number Unstained Number Surface SCs (34)	Samples		Pippette draw volume /sample	Brilliant Stain	Antibody Iotal	-	-	00×	H	<2		+	+	-	1		^		-	1	1-	12-51			1	1								1			U/D 15 min (RT)
0.1915 1.7285	144	Total	4)			e /sample	5	1					<2:10/1.2>							<:10/1.5>					Kastvias,	1	1												0	Tetramer 40 min @ RT
			30 10			8	50	17.8	1.6	2					1.2		1.5				1.5		1	1	1.0		1)		1.5	(1.5)		2.0						HotStain 30min @37C
RBC	Perm Water	12	5 8 5	FBS RB			850	303	27.2	34					20.4	3	25.5				25.5		17	17	17		1 24) and		25.5	25.5			34						17
0.81 7.29	17.2	8.1	3 3.1	RBCLyse		59.5	50.0	12.5					0.7	0.7	1				1.2							0./	7.7	2.0	(2.0			1.3	0.7		0.5	0.7		1.2	omin @sc	ColdStain
		1.2 14.3		Fix			850	212.5					71.7	11 0					20.4							F.TT		34.0	→ 34.0			22.1	11.9		8.5	11.9		20.4		17
		24 172		Perm)																															1000	Fix/Perm	RBC Lyse,
		0.75 0.15 1.915	0.765	PFA		1		9.5						0.5				2.5	0.1			1.5	0.	0.1	01						0.5		0.1		1			The same of the sa		Spiked 40 min
							187	161.5						8.5	8.5	25.5	8.5	42.5	1.7			25.5	1	110	1				30 10		8.5		1.7		17.0				t	17

Simplified Protocol

Thaw cells, DNAse, count.

Collect, count, aliquot cells 2-3.0E+6 Cells R10 / 5ml polystyrene tube
Bring volume up to "y" mL R10, add "y" µL PMACtit and "z" µL CD107a

Cap and incubate at 37°C for 6 hours

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 HotStain mix, incubate @37C for 30 min Wash 2 ml 5% PBS-FBS 1400 rpm, 6 min

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

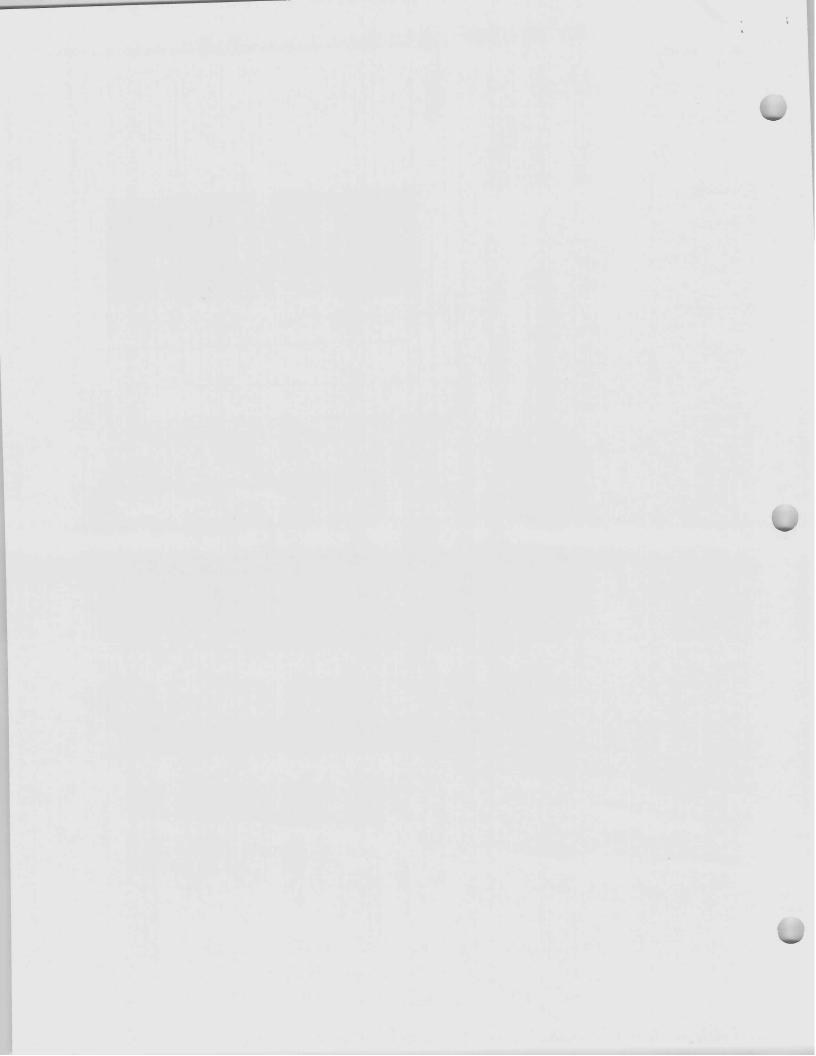
(vortex every 10 minutes)

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



783 uv15 812 uv16	750 UV14 760	697 UV12 717 UV13		598 613	542 UV8 582 UV9	514 _{UV7}	458 UV5 473 UV6	428 UV3		園
BUV805	BUV737	3 2	20-74		8 BUV563	7 BUV496	/6 AF		UV2 BUV395	VV
[50]	.46		[50]		55	55			Įboj I	
CD4	CXCR3		V82		CD69	CD8			CD62L	
V15	V14	V12 V13	V10 V11	6 9 €	\$ 5 6	5	≨ ≤ 4	S S		\exists
BV786	BV750	BV711	BV605 BV650		BV510	BV480	PacBlue	BV421		Violet
150	10.03	[55]	[50]		15	[66]	[55]	#	1	1
CCR6	IFNγ	CD7	CD56 CCR7		CD45RA	CD161	CD14/19	CD127		
B12 B13 B14	B11	B8 B9 B10	B6 B7	B5 B4	B2 B3	B1				
		PerCP-Cy5.5			FITC/AF488 SparkBlue 550				Dide	
		[45]			[05]		ď			
		CD26			Va24/hCD1d CD3					
YG9		YG5	YG3	YG1						
Pe-Vio770		PE-Cy5	PE-Dazzle594	PE					Yellow-Green	
150		. 를	[60]	150)						
PD1	25)	CD25	TNFα	NKG2D						
R8 R7	75 72 75 74	R3 R2 R3		111111111111111111111111111111111111111						
Zombie NIR APC-Fire 750 APC-Fire 810	APC-R700	AF647							Red	
(4.5) (4.5)	155]	&							$\ \ $	
Viability CD27 CD38	CD107a	CD16 Vα7.2/hMR1								

