

June 12<sup>th</sup>, 2023

2023 ILT 08

Specimen	Status	Location	Conc	Date	Notes	Volume	Lym	Lym+Mon	Total
Inf 92-7 a-3	HU ♀ TNGH	(6)	(~8m) <12.15>			1.5	5.43	6.8	
a-4	TNG5	(7)	<12.19>			1.5	6.11	7.73	
Inf 356-4 a-2	HEU-10 ♂ SU3V	(3)	<11.6>			1	7.27	11.12	
a-1	SU3V	(a)	<9.6>			1	8.21	12.1	
Inf 479-0 a-1	HEU-10 ♀ T32L	(4)	<8.29>			2	8.04	10.8	
a-2	TJRM	(10)	<6.7>			2	10.3	13.7	
Inf 387-8 a-2	HEU-10 ♀ SVW1	(2)	<22.8>			1	3.91	5.19	
a-1	SVW0	(8)	<13.15>			1	6.74	8.79	
ND050	Adult ♂	(5)	ISE6 <10.9>	5/12/23		1	9.21	12.0	
ND006	Adult ♀	(1)	ISE6 <6.7>	5/12/13		1	14.80	17.5	

Start @ 1:20 pm Spin Dunkin (cash)  
 adult @ 1:25 pm @ 1:39 @ 1:54 @ 2:09  
 @ @ 1:53 @ 2:15 @  
 @ @ 2:10 @ 2:26 a

2:45 pm stain for count  
3:01 pm count  
3:50 pm aliquot

Incubation @ 4:25 pm

9:53 reagent prep start

10:28 abs went flying... And...  
going be a long night.

Sample sprin @ 10:36

L/D @ 10:52 pm  $\rightarrow$

Abs prepped @ 11:04 PM spin @ 11:10

sc's also quoted @ 11:19pm  
spin @ 11:24pm

Hobs @ 11:31 → 00001

Sc ✓ D @ 11:39

Hot solids @ 11:47pm

Cold sc's @ 11:55pm

take 00:22  $\rightarrow$   
abs @ 32  $\rightarrow$  1:02 am

abs @ 32  $\rightarrow$  1:02am

↑ 35  
INDOSO PMA might not have gotten full dose

$$\begin{array}{r} 66 \\ 3 \overline{) 198} \\ \underline{18} \phantom{0} \\ 18 \phantom{0} \\ \underline{18} \phantom{0} \\ 0 \phantom{0} \end{array}$$

$$\begin{array}{r} 16 \\ \times 2 \\ \hline 32 \end{array}$$

Sub FixPerm @ 00:42  $\rightarrow$  52  $\rightarrow$  02

1:12am combined spin //

1:26am Colds → 58

1:34am 2nd se perm wash spin

1:50 am Intra Seb.  $\rightarrow$  2:30 am

RBe loss @ 1:58 am

Spin @ 2:06 am

Samples fixe 2:19  $\rightarrow 29 \rightarrow 31$

1st perm wash @ 2:43 am

End @ 2:55 am

3:09 am Intracellular (ooct<sup>17</sup>)

Final wash @ 3:49 am

Done @ 4:01 am

1. Move off in log

running water @ 1:47 pm

WV @ 1:49 pm (2000 events, 5 pl left)

SDS done @ 2:52 pm

Samples @ 2:59

whosp  
| 000

Inf 692

19500 / 1800

| 00

Inf 353

1812 / 1500

| 000

Inf 479

| 00

Inf 387

| 00

ND 050

|

ND 006

Done @ 4:01 pm

June 12<sup>th</sup>, 2023

2023\_ILT\_08



334  
-140  
194

Sample	Total	Volume	Concentration	3M	2.75M	2.5M	2.25M	2.0M	1.75M	1.5M	1.25M	1.0M	0.75M	0.5M
INF692	17.31	3	5.77	0.52	0.48	0.43	0.39	0.35	0.30	0.26	0.22	0.17	0.13	0.09
INF356	15.48	2	7.74	0.39	0.36	0.32	0.29	0.26	0.23	0.19	0.16	0.13	0.10	0.06
INF479	36.68	4	9.17	0.33	0.30	0.27	0.25	0.22	0.19	0.16	0.14	0.11	0.08	0.05
INF387	10.65	2	5.33	0.56	0.52	0.47	0.42	0.38	0.33	0.28	0.23	0.19	0.14	0.09
ND050	9.21	1	9.21	0.33	0.30	0.27	0.24	0.22	0.19	0.16	0.14	0.11	0.08	0.05
ND006	14.8	1	14.80	0.20	0.19	0.17	0.15	0.14	0.12	0.10	0.08	0.07	0.05	0.03

Sample	3M	2.75M	2.5M	2.25M	2.0M	1.75M	1.5M	1.25M	1.0M	0.75M	0.5M
INF692	0.48	0.439	0.400	0.36	0.319	0.280	0.24	0.199	0.160	0.12	0.080
INF356	0.61	0.561	0.510	0.46	0.408	0.357	0.31	0.255	0.204	0.15	0.102
INF479	0.67	0.616	0.560	0.50	0.448	0.392	0.34	0.280	0.224	0.17	0.112
INF387	0.44	0.400	0.364	0.33	0.290	0.254	0.22	0.181	0.145	0.11	0.073
ND050	0.67	0.617	0.562	0.51	0.449	0.393	0.34	0.280	0.224	0.17	0.113
ND006	0.80	0.730	0.664	0.60	0.531	0.465	0.40	0.332	0.265	0.20	0.133

Sample	3M	2.75M	2.5M	2.25M	2.0M	1.75M	1.5M	1.25M	1.0M	0.75M	0.5M
INF692	2	1.83	1.66	1.5	1.32	1.16	1	0.83	0.66	0.5	0.33
INF356	2	1.83	1.66	1.5	1.32	1.16	1	0.83	0.66	0.5	0.33
INF479	2	1.83	1.66	1.5	1.32	1.16	1	0.83	0.66	0.5	0.33
INF387	2	1.83	1.66	1.5	1.32	1.16	1	0.83	0.66	0.5	0.33
ND050	2	1.83	1.66	1.5	1.32	1.16	1	0.83	0.66	0.5	0.33
ND006	2	1.83	1.66	1.5	1.32	1.16	1	0.83	0.66	0.5	0.33

Sample	3M	2.75M	2.5M	2.25M	2.0M	1.75M	1.5M	Volume	Lym	Total	Average
INF692	6	5.5	5	4.5	4	3.5	3	1	3.91	3.91	
INF356	6	5.5	5	4.5	4	3.5	3	1	6.74	6.74	
INF479	6	5.5	5	4.5	4	3.5	3	1	6.74	6.74	
INF387	6	5.5	5	4.5	4	3.5	3	1	6.74	6.74	
ND050	6	5.5	5	4.5	4	3.5	3	1	6.74	6.74	
ND006	6	5.5	5	4.5	4	3.5	3	1	6.74	6.74	
CD107a											5.325
ND006	6	5.5	5	4.5	4	3.5	3	1	6.74	6.74	10.65





	VZ Mix		10
fTIC	VZUz18	1.5	15
A6A7	Vz7	1.2	17
Pipette draw volume/sample	PBS	17.8	178
		19.5	

  

Tetramer Mix			
A6A88	tCD1d PBS-57	0.5	5
A6A47	hMRL 5, OP-RU	2	3
			1.2

  

Tetramer Control Mix			
A6A88	tCD1d Unlabeled	0.5	1
A6A47	hMRL 5-FP	2	0.6
			2.4

  

Zombie M/R	18	
OR	14.4	
	5/76	
		15 PBS
		Zombie

  

	10	20	30
Tet-PBS	1.9	2.18	3.27
Tet-PBS	1.9	2.18	3.27
Tet-PBS	1.9	2.18	3.27

	Total	FBS	RB-Lysate	Fix	Perm	PFA
Number Samples	16	128	4.8	4.8	64	0.48
Number Survived	10	40	3	2	20	0.7
Number surface SCS (29)	29	29	0	5.8	58	0.12
Number intracellular SCS	6	6	0	1.2	24	0.12
<b>Total</b>		203	7.8	13.8	106	1.48
		182.7			105.4	
FBS	101.5					
PBS	101.5					
		Perm	16.6			
		Water	149			
PFA	0.148					
PBS	1.327					
		RBC	0.78			
		Water	7.02			

Thaw cells, DNase, count.  
Collect, count, aliquot cells 2.3.0E+6 cells R10 / 5ml polystyrene tube  
Bring volume up to "x" mL R10, add "y"  $\mu$ l PMA/CFI and "z"  $\mu$ l CD107A  
Cap and incubate at 37°C for 6 hours

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

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

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

Add 300-500 ul 1x RBC Lysis for 3 minutes

300  $\mu$ l BD FixPerm, incubate @ 4C for 20min

(vortex every 10 minutes)

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

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

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





Spectrum	UV		Violet		Blue		Yellow-Green		Red	
373	UV1									
388	UV2	BUV395	CD62L	BV421	CD127					
428	UV3									
443	UV4			PacBlue	CD14/19					
458	UV5									
473	UV6	AF								
508										
514	UV7	BUV496	CD8	BV480	CD161					
525										
542	UV8									
582	UV9	BUV563	CD69	BV510	CD45RA	FITC/AF488 SparkBlue 550				
598				BV570						
613	UV10	BUV615	CCR4	BV605	CD56					
664	UV11	BUV661	V62	BV650	CCR7		PE-Dazzle594	TNF $\alpha$	APC	CD16
679									AF647	V $\alpha$ 7.2/IMR1
697	UV12						PE-Cy5	CD25		
717	UV13			BV711	CD7	PerCP-Cy5.5			APC-R700	CD107a
738										
750	UV14	BUV737	CXCR3	BV750	IFN $\gamma$					
760										
783	UV15								Zombie NIR	Viability
812	UV16	BUV805	CD4	BV786	CCR6		Pe-Vio770	PD1	APC-Fire 750	CD27
									APC-Fire 810	CD38

Spectrum	UV		Violet		Blue		Yellow-Green		Red	
373	UV1									
388	UV2	BUV395	CD62L	BV421	CD127					
428	UV3			PacBlue	CD14/19					
443	UV4									
458	UV5									
473	UV6	AF								
508										
514	UV7	BUV496	CD8	BV480	CD161					
525										
542	UV8									
582	UV9	BUV563	CD69	BV510	CD45RA	FITC/AF488 SparkBlue 550	PE	NKG2D		
598				BV570						
613	UV10	BUV615	CCR4	BV605	CD56		PE-Dazzle594	TNF $\alpha$	APC	CD16
664	UV11	BUV661	V62	BV650	CCR7			CD25	AF647	Vc7.2/hMIR1
679										
697	UV12									
717	UV13			BV711	CD7	PerCP-Cy5.5	PE-Cy5		APC-R700	CD107a
738										
750	UV14	BUV737	CXCR3	BV750	IFN $\gamma$					
760										
783	UV15								Zombie NIR	Viability
812	UV16	BUV805	CD4	BV786	CCR6		Pe-Vio770	PD1	APC-Fire 750	CD27
									APC-Fire 810	CD38



June 12<sup>th</sup>, 2023

2023\_ILT\_08



June 12<sup>th</sup>, 2023

2023\_ILT\_08





June 12<sup>th</sup>, 2023

2023\_ILT\_08

