

September 28-29<sup>th</sup>, 2021HEU: Ex-vivo  $\gamma\delta$  CBMC panels #1

Specimen	Status	Location	Conc	Date	Tasks	Volume	Ly	Ly+Mon	Total	1E+6	1.5E+6
INF148-9 a2 (7)	HU 57LB	Box 5A Row C col 4, 5	almost no blood 30pl DNA			1	0.9E5	1.1E6	0.9E6		315pl
INF148-3 a1	HU 57U2	Box 5A Row 1 col 1, 2	Med blood 70pl DNA		-clumping...	3	3.98E6	4.76E4	11.9E6		(315pl/tube)
INF134 a-1 (11)	HEU-L 57OW	Box 5A Row A col 1, 2	bloody 70pl DNA			3	2.2E6	3.05E6	6.6E6		680pl
						2.5	3.2	4.8			630pl + 32R
INF159 a-1 (15)	HEU-H 58FE	Box 6A Row A col 1, 2	M.d 50pl DNA			3	1.96E6	2.75E6	5.88E6		545pl
						2	2.3E6	3.9E6			780pl + 220 12H
NY055	Adult		10 <sup>7</sup> 30pl DNA	11/25/15		3	4.57E6	6.06E6	13.71E6		400R → 67pl

	Ex vivo Gd-p4b	Surface μL x 3		Intra μL x 3	
BV421	PD1	2	6		4
BV510	Aqua L/D	1:500			
BV650	CD56	1.8	5.4		
Alexa 488 (FITC)	Perforin (dG9)	-	-	3	9
PerCPeF710	CD3	1.5	4.5		
PE	GZMb	-	-	1.5	4.5
PE Dazzle					
PE Vio770	NKG2A	0.6	1.8		
APC	V82	1	3		
APC Fire750	CD16	1	3		
20.5 μl/rxn;	PBS	12.6	37.8	17.5	52.5

	Ex vivo Gd-CK PMA	Surface μL x 6		Intra μL x 6	
BV421	PD1	2	12		
BV510	Aqua L/D	1:500			
BV650	CD27	1.5	9		
FITC	V82	1.2	7.2	0.2	1.2
PerCPeF710	CD3	1	6	0.2	1.2
PE	CD56	0.5	3		
PE Dazzle					
PE Vio770	IFN $\gamma$	-	-	0.6	3.6
Alexa 647 (APC)	TNF $\alpha$	-	-	2	12
APC Fire750	CD45RO	2	12		
20.5 μl/rxn;	PBS	12.3	73.8	17.5	105

Increase FSC	Ex vivo Gd-p1	Surface μL x 3	
V450 BV421	PD1	2	6
V525 BV510	Aqua L/D	1:500	
V670 BV650	CD16	1.5	4.5
B530 FITC	V82	1.2	3.6
B710	CD25	2	6
PerCPeF710			
Y590 PE	CD28	2	6
Y615 PE Dazzle	CD27	1.5	4.5
Y780 PE	CD3	0.5	1.5
Vio770			
R670 APC	V81	1	3
R780	CD45RA	1.8	5.4
APCFire750			
20.5 μl/rxn;		7	21

	Ex vivo Gd-p2	Surface μL x 3		Intra μL x 3	
BV421	VD2	1	3		
BV510	CD3	1.5	4.5		
BV650	NKG2D	2	6		
	Streptavidin*	{1.5}*			
Alexa 488 (FITC)	dg9	-		3	9
PerCPeF710	CD56	1	3		
PE	PD1	1.5	4.5		
PE Dazzle					
PE Vio770	NKG2A	0.6	1.8		
APC	VD1	1	3		
APC Fire750	Horizon L/D	1:1000			
20.5 μl/rxn;	PBS	11.9	35.7	17.5	52.5

Specs piled  
@ 9.19 am

16:30 am-  
stuff prepped ✓

There 10.41  
at 5pm @ 11.03am

11:22 am Stanford<sup>2</sup>

PMAC @ 1:13 pm

700 1:44 pm  
5:16 @ 2:13

SC 2:33 →  
48m

306 pm

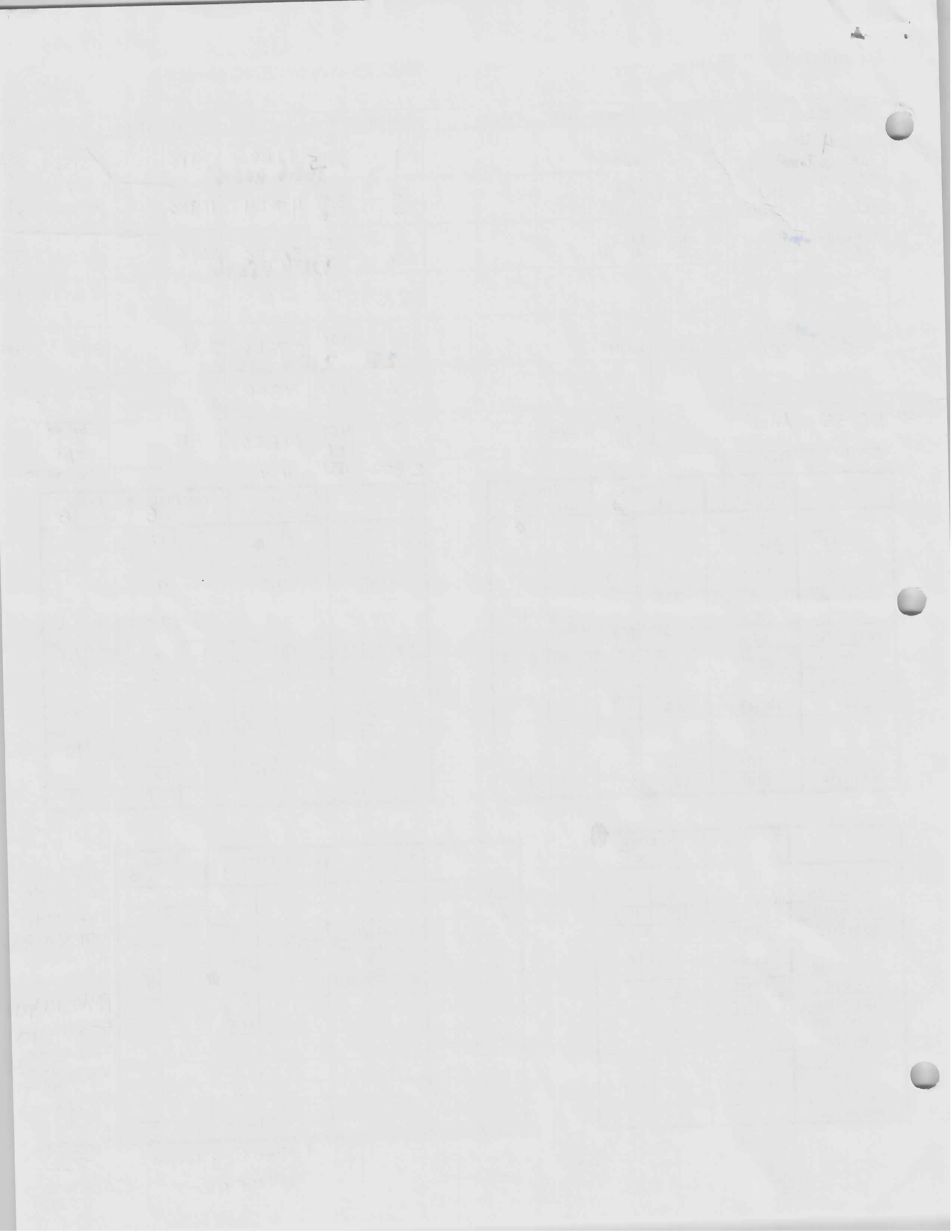
Step 3: 12  
→ 3:27

3:26pm

Exp. Part C 3.44 pm

Intra @ 4:25

Cells at Home  
3:26pm





$$IL2 = 20 \mu\text{L} \times 6 = 120 \mu\text{L} \text{ } \checkmark$$

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Culture

Final 2ml

Specimen	Status	Location	Conc	Date	Tasks	Volume	Ly	Ly+Mon	Total	3E+6	1.5E+6
INF148 <sup>Δ</sup> 148-mo	HU	<i>upside down</i>			E1	3	3.4E+6	4.4E+6		680ul + 320 R10 (2.1ml)	
INF134 -mo more red	HEU-L				E2	2.5	3.2E+6	4.8E+6		630ul + 370ul R10 (1.9ml)	
INF159 -mo	HEU-H				E3	2.0	2.3E+6	3.9E+6		780ul + 220 R10	
NY055			40 EG				4.57 EG	6.06 EG			Total 1ml 250ul + 750 R10

	Ex vivo Gd-p4b	Surface μL x	Intra μL x
BV421	PD1	2	
BV510	Aqua L/D	1:500	
BV650	CD56	1.8	
Alexa 488 (FITC)	Perforin (dG9)	-	3
PerCPeF710	CD3	1.5	
PE	GZMb	-	1.5
PE Dazzle			
PE Vio770	NKG2A	0.6	
APC	V82	1	
APC Fire750	CD16	1	
20.5 μl/rxn;	PBS	12.6	17.5

	Ex vivo Gd-CK PMA	Surface μL x	Intra μL x
BV421	PD1	2	
BV510	Aqua L/D	1:500	
BV650	CD27	1.5	
FITC	V82	1.2	0.2
PerCPeF710	CD3	1	0.2
PE	CD56	0.5	
PE Dazzle			
PE Vio770	IFN $\gamma$	-	0.6
Alexa 647 (APC)	TNF $\alpha$	-	2
APC Fire750	CD45RO	2	
20.5 μl/rxn;	PBS	12.3	17.5

	Ex vivo Gd-p1	Surface μL x
V450 BV421	PD1	2
V525 BV510	Aqua L/D	1:500
V670 BV650	CD16	1.5
B530 FITC	V82	1.2
B710		
PerCPeF710	CD25	2
Y590 PE	CD28	2
Y615 PE Dazzle	CD27	1.5
Y780 PE	CD3	0.5
Vio770		
R670 APC	V81	1
R780		
APCFire750	CD45RA	1.8
20.5 μl/rxn;		7

	Ex vivo Gd-p2	Surface μL x	Intra μL x
BV421	VD2	1	
BV510	CD3	1.5	
BV650	NKG2D	2	
	Streptavidin	{1.5}	
Alexa 488 (FITC)	dg9	-	3
PerCPeF710	CD56	1	
PE	PD1	1.5	
PE Dazzle			
PE Vio770	NKG2A	0.6	
APC	VD1	1	
APC Fire750	Horizon L/D	1:1000	
20.5 μl/rxn;	PBS	11.9	17.5

Handwritten circled text, possibly "Handwritten".

Handwritten text: 14-8-11

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$\sim 1500 \mu\text{ls} + 6 \mu\text{ls PMA} \rightarrow 500 \mu\text{l} + \text{_____} + \text{RCC extra}$

$\sim 1500 \mu\text{ls} + 6 \mu\text{ls golgi} \rightarrow$

Guava  $\rightarrow$  clump run through, not claimed properly? Int 144 readily low cell #s  $\sim$  couple million?  
 $\sim$  nearly 2:45 min to collect 1000

PMA Wash @ 7:15 pm

W/D @ 19:30 pm  $\rightarrow$  19:45

Surface @ 20:01

RBC lysis @ 20:27

Spin @ 8:31 pm

Cyt Fix @ 8:43 pm

2nd wash @ 9:17 pm

Intact @ 9:28 pm

Done @ 10:22 pm susp in 150  $\mu\text{l}$

2  $\mu\text{l}$  . 500  $\mu\text{l}$

159	.4	1.96 =	780.0
134	.6	3.2 ~	1.92
143	1.5	3.98 =	5.97
148	1.2	3.4 =	4.08
N4	1.9	4.57 =	8.68

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DEPARTMENT OF CHEMISTRY

LABORATORY OF ORGANIC CHEMISTRY

RESEARCH REPORT

NO. 100

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Everyone ~ got 1.5 (maybe not HEU-hi P<sub>3</sub>)

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R780 B530 adjusted 10,

forced to reset by Dna (didn't auto adjust reset)

Brought out P<sub>1</sub>'s FSC to 610.

no obvious dropping on LS R- today.

Booked from 9:30-12:30 pm

switched to med @ mon 1:45  
for Inf 148 ✓

PI Tbc's bit sticky

\* Not changing FSC anymore !!

P<sub>1</sub> 610 580 580

← B<sub>5</sub> II

22  
x 5  
110

P<sub>2</sub> FSC manually changing to 600

brought up FSC → 620 For CN panel. (not automatic if not collecting)

lot dead cells (45%)

few UD2's (600-800 range)

