December 30, 2022

1400 (E6) Monocytes # 9

١, ١	Specimen Status Location Conc Date Tasks							Monocytes #						
区			Location	Conc	Date	Tasks	Volume	Ly	Ly+Mon	Total	3E+6	.3E+6		
1	NY058	Adult		DEC	12-16-19		5	7.18	10.7	35.9	417/1	(139/1)		
	1											42 pl		
+														
	V													
Company Company	Allied hea	ath clos	al											
5	· 74 am an	thody 1	one		7.	. 6		. 0	Spark 550	(	> *CD4 BV75C	0 +		
7	11 am Pc	los prepe	ad sach		138	0/	Ourse		Spark 550 Pedesde59		Bv750	O TAFE		
•	Horosp			betwo	("						) <u> </u>	0 7		
8	3:02 am						77×	2 = 14	million cel	اردا	() Al	Hot		
	40 @ 8:40 am => 55							5c's :			O A			
	Se's added though 8:56											COIG		
	Wo mas	she e	3:59 am					sels						
	9:02 a	M 50	S mto 7	7°C +4	3		9.3	1 + 1 m	und + 8	د تــــ	1.4 - 1-6	10 - C		
	->/	1.39	7			3			Und + 8 ×3 24		15/ml	, 374C		
	Decor s (	= 9.08	an -	9:38	an)		-	CONTRACTOR OF THE PROPERTY OF	35.9 - 3	24 3 =	1/	1		
	Holsany	oles C	9:14acn	-5	1.56			534 1	2.		) -6 e	extra V		
	T	eold an	4 120		"Han			- , p	in my un	staned				
	Rbe	1450	y going .	r itial	o everb	ater)								
	50	5 RB	lysed E	ED =	0									
	Heteras	h	TRE	1050	109	ich Ban		Did w	e add CD	3 to	Ha.			
	(Zan	be WI	785 m	ash si	inci	9:50 an			All	tot/Al	I cold?	>		
(Zan be NIR got bead washed)								I don't think we did						

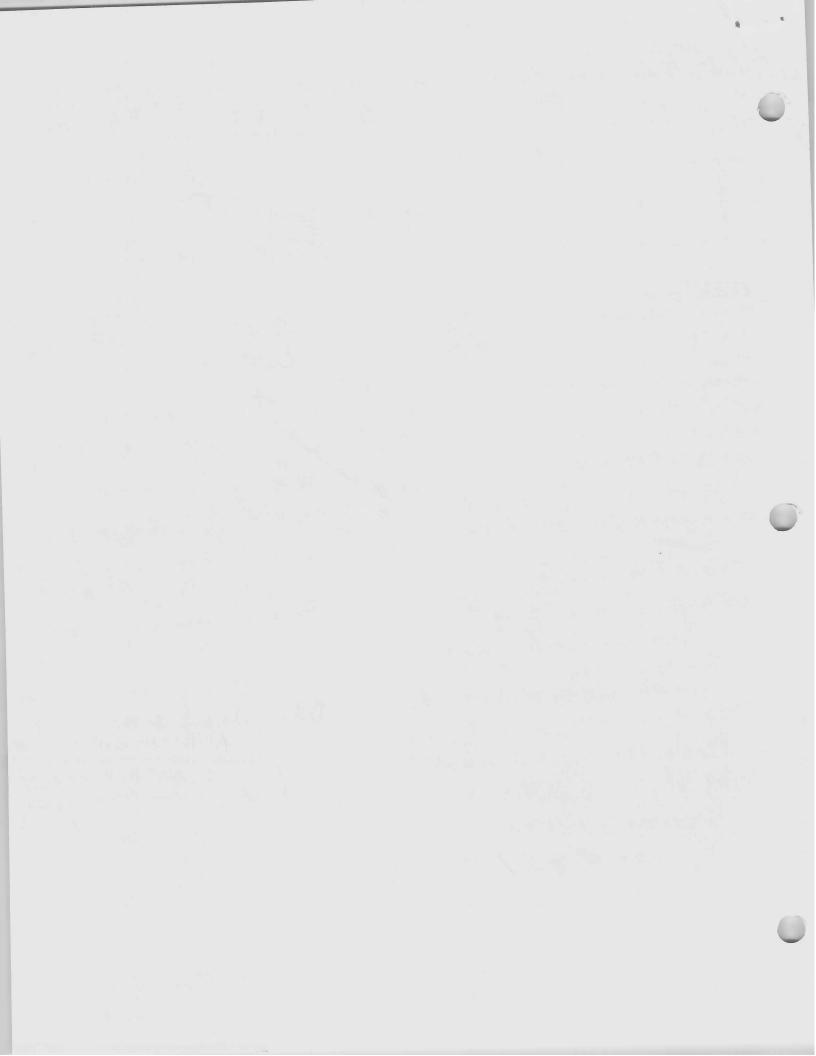
10:02/ 10:10 am Samples 4°c > 10:40 am

Done @ 10:58 Rm/[~5 kms]

Se's done @ 10:17 am

I don't think we did.

Ultracerp 30 min 4°c 2-3M FESB SEL



And UNSTAINED CONTROLS !!! 19 R4 20 R6 16 B10 14 B4 24 B6 15 B8 13 B2 28 B3 9 V10 10 V11 11 V13 12 V15 5 UV16 V1 6 V3 7 V7 8 V8 3 UV11 4 U14 R2 B13 R8 R7 UV10 R1 V14 UV2 UV7 Single color (ul) Unmixing Ref ctrl type ctrl name Pippette draw volume/sample **Brilliant Stain** APC/Fire 810 FITC Spark blue 550 **Antibody Total** True Stain FcX Alexa Fluor 647 APC/Fire 750 Zombie NIR APC-R700 PE-Dazzie594 PE-Vio770 PerCP-Cy5.5 BV785 BV711 BV650 BV750 BV510 BV570 BV421 BUV805 BUV661 BUV737 BUV563 BUV496 PE BV480 AF HLA-DR CD163 CD40 L/D CD4 CD3? CD88 CD3 CD86 CD123 CD141 CD11b CD11c FcER1a CD4 CD16 CX3CR1 CD19 CD14 Marker CD18 AF CCR2 (GHI/61) (REA805) (3G8) (5.1H11) (ls132.1D9) (HIT2) (5C3) (IT2.2) (B-ly6) (S5/1)(M5E2) (2A9-1) (6.7) Vial Lot # <1:2500: L/D + FC HotStain blocker HotStain 3ullrxn | 30min @37C 53.6 **6.6** 0.5 1.0 1.0 0.6 12 > Spring 39.6 6 ω 6 3.6 6 6 ColdStain 30min @4C 60.5 **13.5** 0.5 0.4 1.0 0.3 1.2 1.5 1.0 1.2 1.0 0.6 ##### 300 2.4 ##### ω 1.8 2.4 7.2 6 7.2 3.6 6 7.2 6 9 7.2 6 6

Simplified Protocol

December 6th, 2022 Monocyte SFC panel #9

Thaw cells, DNAse, count.

Cap and incubate at 37\*C for 6 hours Bring volume up to <500> ul R10, add <> Collect, count, aliquot cells 2.0E+6 Cells R10 / 5ml polystyrene tube

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

Wash 2 ml 2% PBS-FBS + EDTA 1400 rpm, 6min Add HotStain mix, incubate @37C for 30 min Wash with 2 ml PBS, spin down 1300rpm 8min

Add tetramers for 40 minutes at RT

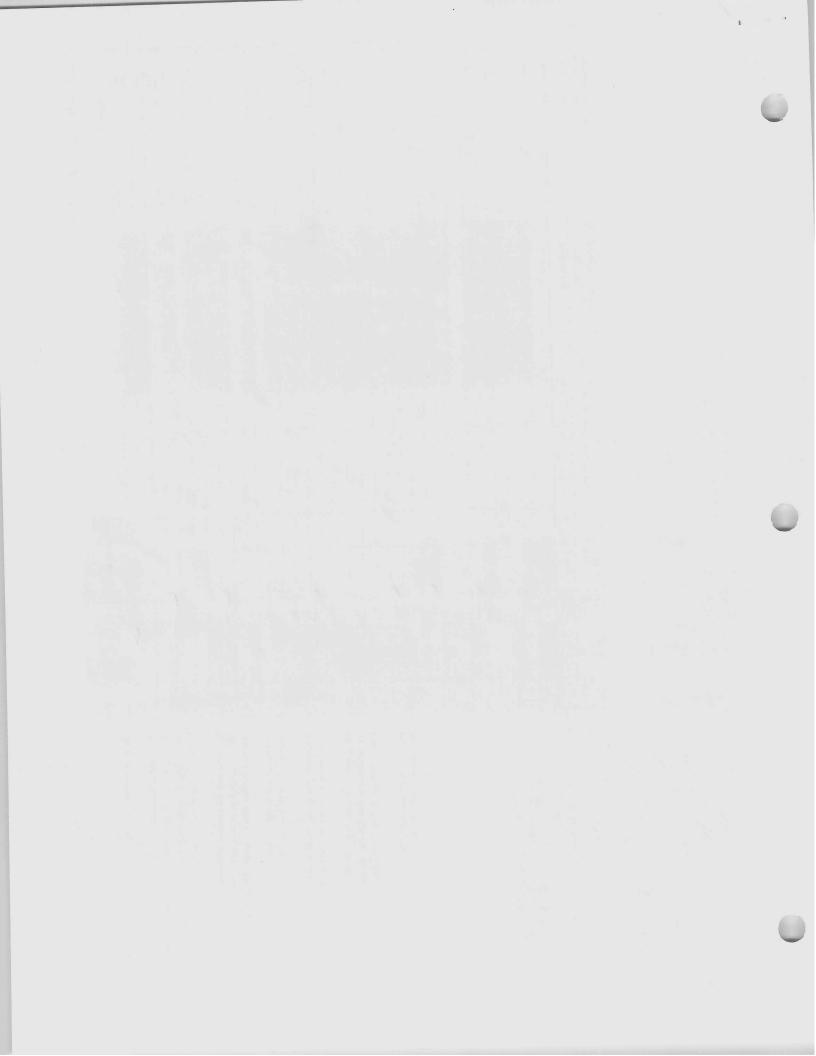
Wash 2 ml 2% PBS-FBS + EDTA 1400 rpm, 6min Add 300-500 ul 1x RBC Lysis for 3 minutes Add ColdStain mix, incubate @ 4C for 30min

Cap tubes, wrap rack in foil, store at 4\*C Resuspend in 100 ul 0.4% PFA-PBS

CCR2 COILC 7 coold 40123/

C0163

786 Such had bear



Monocytes SFC Panel

BUV615 [3] CX3CR1 BUV737 [3] CD19	[3]		BUV563 [3] CCR2	<b>AF-UV6 AF</b> BUV496 [2] <af></af>	BUV395 [2] CD18	VV
V15	V12 V13 V14	<b>1</b> V10	V8 V7 V6	V V V ;	<b>5</b> 5	
BV785	BV711	BV605 BV650	BV510 BV570	PacBlue BV480	BV421	Violet
[3]	[4] [2.5]	[3.5]	[1.5]	[3]	<b>E</b>	
CD141	FcER1a	CD56 CD11c	CD64 CD16	CD66b	CD80	
B12 B13 <b>Pe-Vio770</b> [	PerCP-Cy5.5	PE-Dazzle PE-Cv5	FITC B3 SparkBlue 550 B4 PE	B1		Blue
[3] HLA-DR	[2] CD123	[4] CD3?	[1.5] CD11b [1] CD3? [4] CD88			
R7	R R R	3 2				1
Zombie NIR APC-Fire 750	APC-R700	APC			7.60	12/6/2022
2 2	[3]	[3.5]				12
L/D CD4?	CD40					

Spectrum
373
388
428
443
443
458
473
508
514
525
542
582
582
663
613
664
679
6679
697
717
07
738
7780
07
783
07
812
07

6AN 8AN

UV7

UV1 UV2 UV3 UV4 UV5

UV15 UV16

UV14

UV12 UV13

UV10 UV11

Bead lot 1 had a split in its U2 - U8 detected

holding of All Hot/All cold for now until after en mix and verify. Worst cause add it in a then return... -> Just going to run, will exclude FSC/HLA-DR... Weird signature in 1st butch beads (dobbet V, -Vi, hopefully no mayer priet

1000 events or 50pl volume 0> 7 60011 events/ or 50 pl volume

Tools in a Toolchest for

Unstaured 11,000 events sample 800 events 1.7 m total

of Clay on sport COHARTSO Appended or after 100 devents bead approximates cell lineage Slurescence

fails smaller

cells approach pre