	October 27 ^t	n, 2022						Mo	moorite CEC	1 11				
	Lynton							Monocyte SFC panel #5						
_	Specimen	Status	Location	Conc	Date	Tasks	Volume	Ly	Ly Mon	Tr. 4.1	20.0			
मन्,	ND006(1)		4.21	ISE6	Ser-1- 2020	1 lying hamp	3	3.14	1.500	Total 9:42	3E+6	2E+6		
	ND006(5)		4.81	15 EG	Sept-1 2020		3	3.41	1.750	10.23				
l +	ND050 (1)		2.86	1566	A5-24-		3	2,11	0.838	6.33	7.7331	La VV		
	ND050 (2)		2.79	15 FG	Aug-24- 2021		3	1.90	0.880	5.70	1.57	b di		
	NY062	odult			A5/2-21		3	3.79	1.600	11.37	. 791			
	NY062	adut	5.30		Aug/2-12	mon? wable	3	3.88	1.200		, 773			
	10006	hing we substa	as treated	d up	4011	DNIASE		Oct-2	7-2020 PPD: DTx: 5.0 pl	1 19/14 10mg/ml	->10pg/	~ 5 ug/m/ 10 5 pg/m/ 3 0 3 10 7/ 8 ps/m/		
	1.000	- wi	, monocyte when we have	. 3	The sign	1			R10 0					
	Pale lation Draine 2 elb me	2:09 - 3 M cell	C 1:32	2 pm // 20/5 pm	1 odg	1) 2 (CORM197)) 0	O' olar	CRA197 F	O IM	~ 170	AF? Ll Courte Panel + CD64		
	3M/z). 150 M	Lym	_	`		12 Miller	12 million	in 12 mil	ien 2	125/1 Serses		
St	enting pre	P @ H	2 2a	2,000	vilvo	confessor	37123	5c's €	unstained	\$ 10	NO050	Seves seves respiration National by		
				3salm	1		100	1000	30m	a singl	e donor	- II A. 46.		
7HCC	alcs done c	3:30 b	m X	Beads					7 25	million	~ 20	million 104/162		
All	reasents p	reprode	6:4apm	22 se	5 . 2m	18% FB5-	PB S		~ 12	willian	~ 12	65 ND050		
Bec	ds @ 7:5	55										P + 0064		
cell	s spin do	20:09 p	ч :Збрт	66 sc.	coc li	made ter	2m/ 23/ FRO	UPR 5	189	+ (NDOO	5 (Irred)		
bendo dempe	rinsed @ 8:	325 24/1 E	opines:49 dra 1.5 ml Edta	13	stand * 6 m Sample	50011 n 1 27 F	50 M 0,488 BS-PBS M 0,48 8, 1	PFA-883	- 9 - 9 - 8 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5	-4-	2 dreg	2 (unstagred tobes story)		
		10 00	35 300 ml	5 3 6	lregs >	2% FB: SOU D.4 NL 2% F	% 85-PBS	s Be	ads -1 dra	op $\times o$ st (5)	1 +-	3 draws)		
-	3		mls 1/0 Zowach		PFX-P	35 = 358 85 % 11.3	385 mls	7	~ 15-300 2-3 mls	um Ofreda buffer ses stur	je temp HIC-600	g 3-5 mg		
		64	1 m 15 m/s) 3	30 m	ts lk rbo	lyse		Aresispe	nd 11	,			

9:06 beads ses fixed & away everything vortexed, cell samples went into findse condensing sc's -> by color. Ab addition @ 9:11 am

Ab addition @ 9.11 am 56 pm nots

515 @ 9:26 am C9:36 pm supped mediates

9:33 40 in 40 spin @9:52 pm/

10:16 pm samples 10@ 37°c.

Sc's done (10:43 (no RBC lysis (not a sadist and I have a 5011

3 % spin @ 10:50 pm

23:04 & cold samples in -> 11:34pm Spin@ 11:36pm

[Done @ 11:52 pm]

× 176 ~ 3hrs

in 36 hours ...)

Monocyte SFC panel

October 27th, 2022

10 ## 9 10 10 10 15 10 12 10 117 4oC for 30min 1.0 1.0 <1> <0.4> 9.0 1.2 1.5 1.0 1.2 0.4 <0.8> 0.4 0.3 1.0 11.7 60.7 20 10 9 10 #### 2 20 10 10 500 99 37oC (RT) for 9.0 <1.5> 50 **55.6** 0.5 1.0 1.0 0.5 9.9 L/D + FC blocker 3ul/rxn 12.6 00 199 17.0 16.2 19.0 071 17.0 150 13.0 19.3 17.8 021 1.0 20.00 17.0 02 17.0 17.0 Vial Lot # 2.4 Tid 1,0 4,0 H'B 4,0 <3.27 C 101 4,0 4,8 80 Ŷ 0,7 つづ o T N (Is132.1D9) Clone (2A9-1)(MSE2) (HI111) (5.1H11) (6.7)(B-ly6) (368) (REA805) (GHI/61) (IT2.2) (2D7)(S5/1)(763) (5C3)(HIT2) Marker FcER1a CCR2 CD19 CD14 CD11a CD11c CD141 CD16 CD11b CD56 HLA-DR CD5 CCR5 CD88 CD123 CD163 **CD86** CD40 CD64 CD38 1/0 Pippette draw volume/sample Fluorochrome Spark blue 550 Alexa Fluor 647 BV510 (dim) Pacific Blue PerCP-Cy5.5 BUV496 BUV805 PE-Dazzle594 APC/Fire 750 Antibody Total **BUV395** BUV563 BV480 APC/Fire 810 True Stain FcX **Brilliant Stain** AF350 **BUV737** Zombie NIR BV570 BUV661 BV421 PE-Vio770 APC-R700 BV605 BV650 BV711 BV750 BV785 PE-Cy5 ctrl name Unmixing Ref ctrl type And UNSTAINED CONTROLS !!! Single color 7 (In) # Filter evu (2 UV10 UV11 900 **UV16** UV7 V15 **U14** V10 V11 12 B4 13 B6 14 B8 75 B10 17 R2 178 R4 ٧1 V3 V5 77 8/ V13 V14 B3 B2 24) R7 2C R8 16 B13 R1 R6 Q

00

0

Aliquot cells 3E+6 cells/tube Simplified Protocol

2500x diluted Zombie NIR, 1E+6/1ml + 3ul Fc blocker at RT for 15min Wash with 2ml 2%FBS-PBS-2mM EDTA Wash with 2ml PBS, 1300rpm, 8min Spin at 1300rpm for 8min

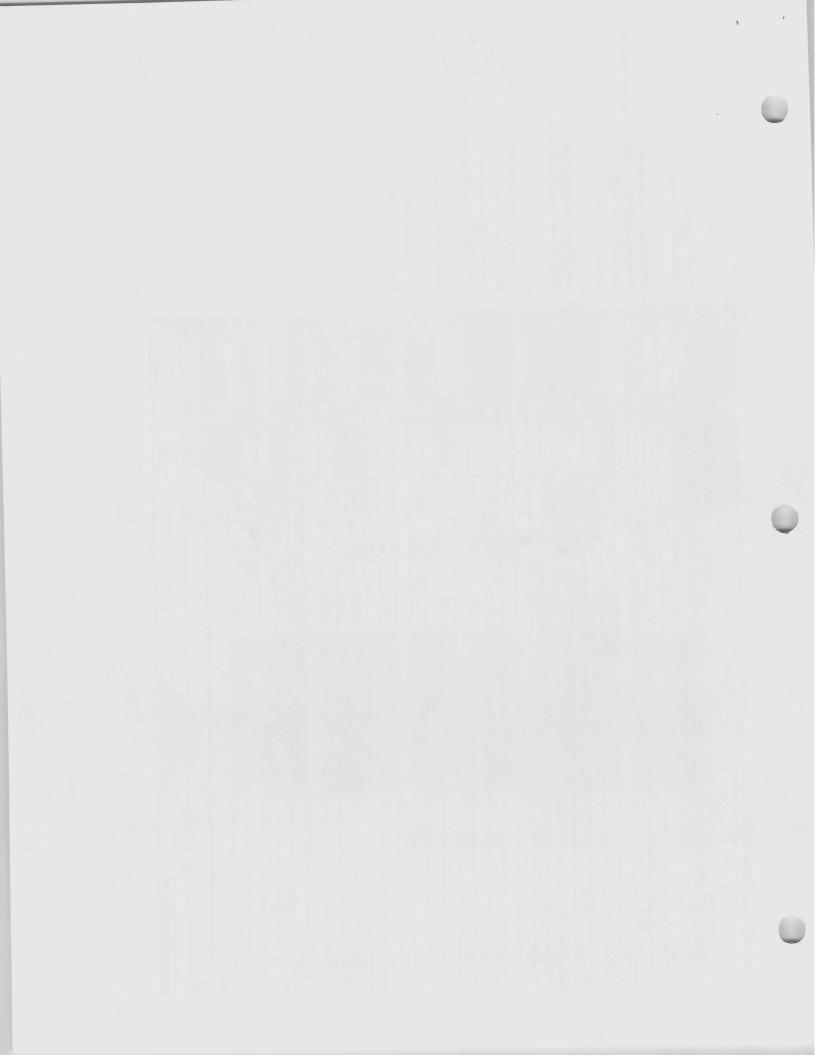
Remove RBC with 1ml lysing solution for 3min x ul of 37oC Ab mix, at 37oC for 30min

Treat with 600ul of 1x Lysing solution at RT for 3min Wash with 2ml 2%FBS-PBS-2mM EDTA x ul of 4oC Ab mix, at 4oC for 30min Spin at 1400rpm for 6min

Wash with 2ml 2%FBS-PBS-2mM EDTA

Resuspend in 0.4%PFA-PBS Spin at 1400rpm for 6min

19



Monocytes SFC Panel

	Γ												_											_
																	CD163		CD40			2	CD64	0000
2																[3.5]	[3.5]		<u></u>			Ξ	[2]	2
10/27/2022	Dod	nav													(APC	AF647		APC-R700			Zombie NIR	APC-Fire 750	APC-Fire 810
	F	+											-			Ϋ́	Z2	R3	R4	R5		R6	R7	82
										777	200	000	0000 00000	, C	ŝ	9600	2000	CD123					HLA-DR	
		L								2	<u> </u>	Ξ 5	E	3	<u> </u>	7	2 3	<u>7</u>					<u>e</u>	
	Blue									EITC	SparkBlug 550	Oparable 330	-	PE-Dazzle		PF.Cv5	Dor Confe	C.Cy5-15-1				:	Pe-VIO770	
-		+				ES.		20		B2	ä	S 28	, a	8 8	B7	82			B10	B11	NAME OF TAXABLE PARTY.	B12	B13	B14
				FcER1a		CD5		CD11a				CD16		CD56	CD11c					The state of the s	CCR5	7	5 4	
-		L		4		Ξ		2			[1.5]			2	[3.5]			2	E	AND REPORT OF THE PERSON NAMED IN	[2.5]	3	2	
, , ,	Violet			BV421		PacBlue		BV480			BV510	BV570		BV605	BV650			RV711	- - :)		BV750	RV785		
-				>	٧2	٨3	٧4	75		9/	/	8/	6/	٧١٥	V11		V12	V 13	2		414	748	2 2	2
			CD18				<af></af>		<af></af>			CCR2			CX3CR1					0	600		CD14	
<u>:</u> -			[2]						[2]			2		[3]	2				-		<u> </u>		Ξ	
111/	20		BUV395				AF350		BUV496			BUV563		BUV615	BUV661					1017777	BUV/3/		BUV805	
L		UV1	UV2	UV3	UV4	UV5	9V0		LV7		NV8	6/0		UV10	UV11		UV12	UV13			0.014	1715	UV16	
Spootring	umunade	373	388	428	443	458	473	208	514	525	542	582	298	613	664	629	269	717	738	750	760			1

TPD CD14 (ran empty tobe coin, 2 sittlushes, overwrote actual cD14) PPD eliested a ender scatter to the morayte pop.

ND0 50	ND006		
chio	149006	NY062	
Ct.10	10	" 0	
PAD ()	ξ O	100	愛(1
			, , ,

Dr beads 100 250 300 307 Dr Monayle 61 327

Not enough co14 boods ~ 5000 ever

1:30

In spectatio Bed

Look @ AF of unstaned, see where off

Monocytes #5:

- cleaned up Desktop (5668)

- exported premous spectroflo experiments to Hidrine

- import the 4 sets of reference controls

-append the samples to each

- Into a common Moragle #5 folder w subfolders.

- raw files . Kept here for samples, not se's? For starters, all just have NYOGZ media - unstained as samples Sor mit al universe (to not overload memory) (446B free c/memory)

W, H, A A

cu HA 100 WITA 300

A

How to gate consistently?

- which gates differentially expressed? (DIA,

centre the octoid gate from brightest? ssc monocopes v to lympho extended edge

gate 1.10511->106 (note exceptions) The fortym co adge addspr to top ? boundary

Quantifying this systematreally

DTX MISSING CD88 pe

-> Unmixing moder facked to show comparable oxedaps dute this t NedioCx3CRI (lot high flying even),

Mda (D19 104 13 7106

Media FEERIA 104 3 105 11

CD16 brightest most cohesizesgral 105 1-2 Theis > 105 16 theks 56 16413 > 10511

CDILC 3105-104, CDIHI

CO3 165-106

COSC 104 16 > 105 11

CD123 104N > 10511

CD163 10413 -> 1511

LD zambie 1015-1016 (not cohesive)

C038 (641-1015 debus -> c Ocy 1051-2-406

NY062

Dand

WOUSD

NDOOG

AFS - Keywords + Treadment

Treatment
0 = Media 1 = DTX 2 = PPD
~ 6 hrs stimulation

Each unstained = 242,000 cells / ~ 2.178.000 total cells /

7 Donor

0 = NY062 1 = N0050 2 = N0000 ~ same processing running PacMAP @ 1:24 pm

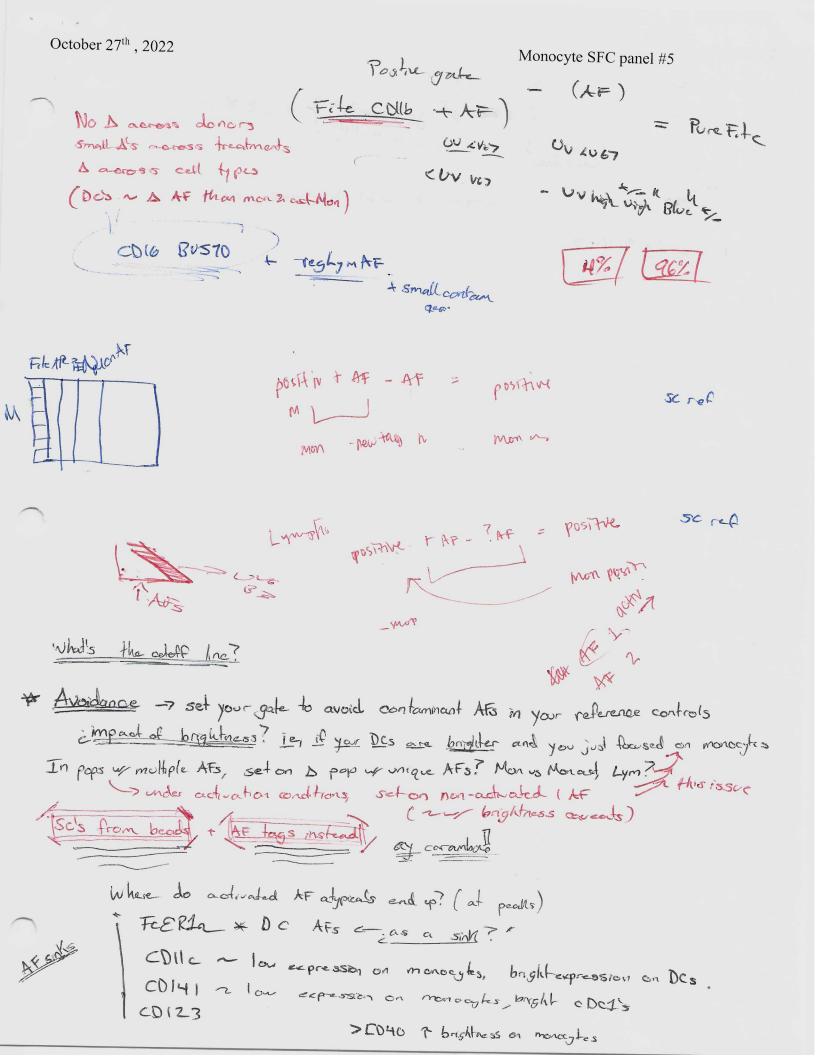
running solely on AB, no FSC or SSC properties, etc.

CD141 650 d

CD163 - 560

CO40 - 400

Media		DTX	PPD
010	105 N3 -> 10G		



errors multiple

~ eDc gates to monoghes/
~ Lym gate ? size / Dc's markers } low abundance

Fuell you!

This is too many samples to send down and see!

1115 299 947

