## **HEU: Timecourse Stim Optimization**

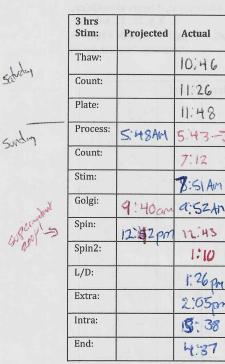
18 hours rest, 2 hours stimulation,

3, 9, 15, 21, w/golgi

 $0.5~\mu g/ml$  Costim ( $\alpha$ CD28/CD49d) [2.5ul] & 10  $\mu g/ml$  TTx, DTx, PPD, SEB

GolgiStop-Plug 1:1:19 (5)

						41					Golgi	Stop-Plu <sub>i</sub>	g 1:1:19	(5)
	Specimen	Status	Location		Date	Tasks		Volume	Ly	Ly+Mon	Total	whome		
200c/p	ND050	Adult T		IUEG	10/21/20			3	2.03	2.91	6.09	4.3		
260c jy	Ī							2	2.71	3.44	5.42		2.71	77102
1300/		Adul PPD	)	IDE6"	10/12/20		A STATE OF STREET	3	1.70	1.98	5.10	3.6	Arm	
190-11	P -							1.5	2.30	2.60	3.45		1.723	1225/1
280c/		5EB,		15 EG	3/3/20	T A B		5	3,33		16.65	11.7	Jüle	
1800/	1	"clump.						5	2.33		11.15		5.83	1850×1
2700/1	ND050	AdultTE		10E6	10/21/20			3	2.61	3.91	to the second second second	5.4	- 200	
2800	W)							2	2.77	3.40	5,54	_	2.77	1770x1
1700	C4282	Adl H PRI		JOEG"	10/12/20			3	2.02	2.50	6.06	4.2	- 49	
2300	VI							1.5	3.37	3.71	5.05	_	2.52	7 1000x1
2300/	ND006	SEO,	1841	15E6	3/13/20			5	2.91	3.68	14.55	10.2	1.0	
2300	14		19 2 3	4 7 7 1	i fau f	1		5	2.75	3.20	13.75	-	6.875	11.875/
2509		枚	Us.75 0			5-632	from	Jonary &		0				
	Adul 1.0E+6		Ex vivo	Extrace	lular 24		Intrace		^	^	A	^	^	^
		/421	CD69	1	24	CD69	1	24	2	V	212? Not pos	V	V	12 21
250	V525 B\		Aqua	1:500	2100	Aqua CD4	0.5	10	n st-box	di:	212:	13	10	949 21
plally 23 K	V670 BV		CD4 CD8	1.5	43.2	CD8	0.5	12 3	t we ht	di: 9	No Po	issue o	esolter	
Mr. mes		)	TNFA	-	36	TNFA	3.0		remin Por	ccesal	. 5	43 -	>612	pmVotplak
	PerCPel Y590		CD62L	2	48	CD62L	3.0	72	110	(C-32-1	, 3,	. 3		PM into 15m
60 0 11		Cy7	IFNg	-	- 1	IFNg	0.8	19.2		, e.			J., 4	into 15 cm
68.8 pl	R670 A	DC.	CD3	1.5	36	CD3	0.5	12	Star	1 6.4	2 PM	nd .		
00	Fire75	50	CD45RA		36	CD45RA	112	200 0			cun 5"	6.	9.5pm	pm dore
1/0/47 @0 m 344	mls PBS				268.8		14.2	340.8						
1	ore @ 2M/	ml so	500 pl	= 1M c	£(ls	c 4		1 >				1	7:4	5 costm?
43 T	Tx old = 1.7	185 pl	= 5 pg	~ 10 p	9/101	(3.57/in	I ml site o	bons)		8	04.50 P	~ /	7:5	s coslm's antigers
· 3 1	Tx = 6.5 p	il stock	1 = 5 Mg	~ 101	g/ml	(1.0 pl	in Iml	) (			0):1 4	AD ANY	7:50	55B
PEA-PBS	Costim.						New T	T test D	cone:			X	7 7:	57 Inabel Stort
	5 6 5	+42 =	= 5pl -	- 1 ml										Stort
13 mls 5	365	(	2.5 pl	~ \$500	5		5.7	5 pl for	TIND	2no	batch:			
	Calal						7,1	ON for	lach		EHH	->	6:14 V	'ait plate v
	1+1+19:	=((5)	For 500	N							2	chub	en ND	006.
	1+1+19:	10	for Inl			and the second of the second o		_		_				into 15 m)
	PPD Img/n	11 50	149/11	125	5 pl 4	Dr 500	pl	2	16-	0 = 5			(30)	colon 1 /
	PPD 1mg/n		13/18	~ 1	of 6	for 1000	fl		7.	5 = 3 .0 = 2	.75	count .	stant:	1:01 AM
1	SER (11	) valu	()	1		150	H		5	0 = 2	.5		Ibn = T	1.12 den
	SEB (10	(5)	, I ma	/mg	50 (5)	Klarto	Vg/m	1		0	7. 1.	Re	ady.	7:38 am
					J		/		ni shed	1 He	0.51	etale	- h-L	7:38 am  tost, 7:40  ant: 7:45  556; 7:40
<u> </u>										-111900	Fig JA	cupath	a well	56B: 7:40



rs m:	Projected	Actual	costm	4110		
aw:		10:46		TOE	DTEC (1/2)	
ınt:		11:26	3001c7		DICE CONTRACTOR	
te:		11:48	costin	PRD+C		
cess:	5:48AM	5.43-7	6:40			
ınt:		7:12			15	
n:		7:51 Am	Medie	SEGIO	1.5	7
gi:	9:40am	a:524n	0	0	(SEB)	(£B)
n:	12:42 pm	12.43	SAFA	1 9/3/7/		
n2:	-11-5	1:10	CVV	C. C. G. C.		
):		1:26 pm				1
ra:		2:05pm			F(35 u	ash e

FBS mash @ 13:48pm Lust FBS mash @ 14:3pm Golgi @ 2:46pm, 56 I sime 15:10pm 20015:23

					TTEC	
	15 hrs Stim:	Projected	Actual	Costin	.0	
Francis	Thaw:		22:45		25	
(	Count:		23:32			
	Plate:		23:53	costim	PPD+C	660 aglo
Cahida 1	Process:	17:53	17:43-	12:40	0	
Sahrda 1	Count:		19:04	pledia	SEBIU	E375
s ?	Stim:		7.57	Media	250	5
	Golgi:	9:57pm	9:50pm		0	
Siday	Spin:	12:50pm	12143	costm	Ditte	
	Spin2:	lidopa	1:(0			
L.	L/D:		13:26		TT+C	
	Extra:		14:05		()	
	Intra:		15:38			
	End:		4537			
				la de		

22 thes

We shed the AM

Costm (maybe up to 2M more) extra prient, to 9 hr DT+c 9 hrs Projected Actual Stim: Thaw: 10:46 Comight be a bit tight, up to l. I more) Count: 11:26 distribute equally all Welchood Plate: 11:48 Process: (40 to 7.7 M more) 5:48AM 6:40 5.43 -> 7.5 SEB10 Count: 505: 3M + Coolin + DT+c unll 7:12 Stim: 7:51 HM In rardy excess, TT+C well Golgi: 9:40 cm 9:52 @ a, then 3. Spin: nauled it. 18: HZ PM CUMP 5:44 start goess Spin2: 7.67 pm 6:11 am process spin L/D: 7:22pm -> 7:37 4/DtBrash @ 7:43 pm Extra: 8:00 -7 8:20 Last FBS wish @ 20124 Intra: 710:15 9:35 Cotsi GHIRREM 8:40 10 minutes ahead now End: 22:35 First pumblished:06 Cup to 3.88 M more) TITC Costin 21 hrs Do a DT+c @ 15 hours, then 21hrs Projected Actual Stim: Thaw: 22:45 Krichel Count: 23:32 Plate: 23:53 (up to 2 M more) Process: ppp tc Sorbode Destin Unlikely to yield excess, maybe 7:43->18:40 17:53 Count: a PPD solo and Olshes? 2 his 19:04 Stim: 7:57 SEB SEB 5 SEB 45 Cup to 8.2 a more) Golgi: great 9:57pm 950pm Spin: Sunday 18:40 test costing + DT+c Gar Spin2: both timepoints 7:07pm L/D: Excess? into a TT+c vell Extra: Intra: Extra Exass SEB@ Sff? End: 21 tolas

16.8

-> 68.8H

3pm

hrs Stimt:	Projected	Actual
Thaw:		
Count:		
Plate:	A ST	
Process:		
Count:		
Stim:		
Golgi:		
Spin:		
Spin2:		3
L/D:		
Extra:		
Intra:		
End:		

8:04 Sc Start. 8:23 Incubation > 8:43 air a:02 - sc's done, goly bloddonade

> 36 27 252 252 20er 4 hours Co max blocs

Flow: ran at of time, ran high

stim3 SEB Nedia, 7.5 2.5

stima SEB Nedia, 7.5 2.5

BORRO others, 100000 SEB

1.3 mg = 1 ml

1.3 mg = 1000 pl

1300 pg = 1000 pl

0117: 13 pg

0117: 1.3 pg

1.3 15 pg

degravalation 7 that on Fee/see?

I water