HEU: Rest Optimization

0, 6, 12, 18, 24 hours rest 2 hours stimulation, 18 hours incubation; 0.5 μ g/ml Costim (α CD28/CD49d) & 10 μ g/ml TTx GolgiStop-Plug 1:1:19 ()

Specimen	Status	Location		Date	Tasks		Volume	Ly	Ly+Mon	Total	Pint	
ND050	Adult	-180%	10 E/6		Media, cos	, 17, 725						+
O hours	AdultTT	 	10/21/20	/	DT 2c,	PPO & COS	3m1	2.06	3.21	6.18	19001	
ND050sis	Adult TT	-180°C	10E/6	14/21/20	1 1 1 1 1 1 1		3m1	2.12	3.18	6.36	1411A	1901
NDOSO	Addt	~180°c	10E/6			**************************************	3ml	000			· ·	report
-	77		10/21/20		Madia For	TT, Trac		2.83	343	8.49	5.49	<u> </u>
B cold wash D					DT2C,	PRO & Cas	2m1	2.92	3.92	5.84	1.920/	
ND050	Alult	-180°C	1056		Medin, cos	MITTE.	0 1	2.54	3.75	7.62	4.62	1 :
1			10 4740		DECL	PPD partial					 	ļ
100000			ew/f	ļ.,,,,			2ml	2.64	3.54	5.28	TOTOP	
ND050	Adultir	180°c	1086				3ml	2,14	3.18	6.42	13.42	
Kowbine	Aller to	be #2 /	12-3m	De w	- 6.56	= 13 60					 	
NIDOSO			1056	// (* ()	0.50	13.76		3.06	4.17	4.18	ĵ1.59	
204 hours	Adut.	-180°c	10/21/20				3ml	2.42	3.56	7.26	14.26	
<i>y</i>	_						22-1	2,41	3.00	4.82	741011	
204 hors			10/21/20				3 ml	2.34	3.38	7.02		
Adult		Ex vivo	Extracel	lular		Intrace	llular			1.02	1.00	//
1.0E+6 co				LOKIT				2.26 AM				
V450 BV		CD69	1	2017	CD69	1	2017	5. 46 AM	first e	ount in	nabatic	1
			1:500		Aqua			LIOI AM -	> a:04,	am sma	Il clean	curla la
V670 BV6	550	CD4	1.0	36306	CD4	0.5						
B530 FI7	C	CD8	1.5	30,5	CD8	0.5		Heusar	or @9.	13 /VI	FICE G	,12 V
B710		TNFA	-	2-2012				9.28/	79.3400	tou Dec	pdear	Gde
PerCPeF7	10				TNFA	3.0	6051			18 min	clear	cycl
Y590 PE		CD62L	2	40	CD62L	-	6	shr rest	stai A (215.32		
Y780 PE C R670 AP		IFNg	-	34	IFNg	8.0	1010		Ince 16	_13.30	bu	
R780 AP	r_	CD3	1.5	3025.5	CD3	0.5	10 25	Part it	64111	100 lu		
Fire750		D45RA	ر. د	30	CD45RA	H-2AN		rost tha	35; H	·15 bu	4	
PBS			11.2	124		14.2	284 2914	1892	bungled train	stee sm	cethness	•
CONCENT	a 24			4.000 x 1.0	Yi	Mesa	112	centure	19c @ 16:24	processor		
Conc Final	(2 PM	/m/ 30	SOUL -	Iml				AR A	@16:41	6 pm Sta	ún	
1/x = 1.7	85 pg -	= 5 pg 2	- 10 pg/n	1 (3	57 for 1.	10		Bob	66 trend	ing dead)-H	
Dix = 0,	5 pg	stodi =	5000	10 00	1-1 11	1011		Inc.	0 5.29p			
$TT_{x} = 1.7$ $Tt_{x} = 0.7$	-		PJ	10/9	(1)	ulter lin1		Jak.	- Jezep			
Costin:							particular de la constitución de	1100 05	Inc (9,35	Bu	
5+5+	42 =	5 pl fo	rlml		7.5.19	l	2hr: 3	rd plate	@ 000	3 0M		
	i i	2.5 pl fo	r 500 p	11	95				7.70	pm	SVX.0	
solgi		1						9-37	2		- Chin	
141419=	10 /1	for 1							Pm >		ount	
	15H6	for scoul						100	0 22:1	5pm		
PPDe Im				-		G 25						
(11)	9/ (Mi 3	so 179/11	1 50 5	r!	7	7 Use no	iw golgi bl	odl, sp	n odl flow	rephore	s for 3	insu to
			-		•	12		**				VV IV IC IL
					,	2 15	m > 30 H	4/2 Acr	: ,			
¥.												
					14	160 MM	ml > 30 pl	to FRE	a I make	new be	abdi)	
	*	* 4			1-	1400	24	M1 155/1	PBS (25- voish F mou	-25)		

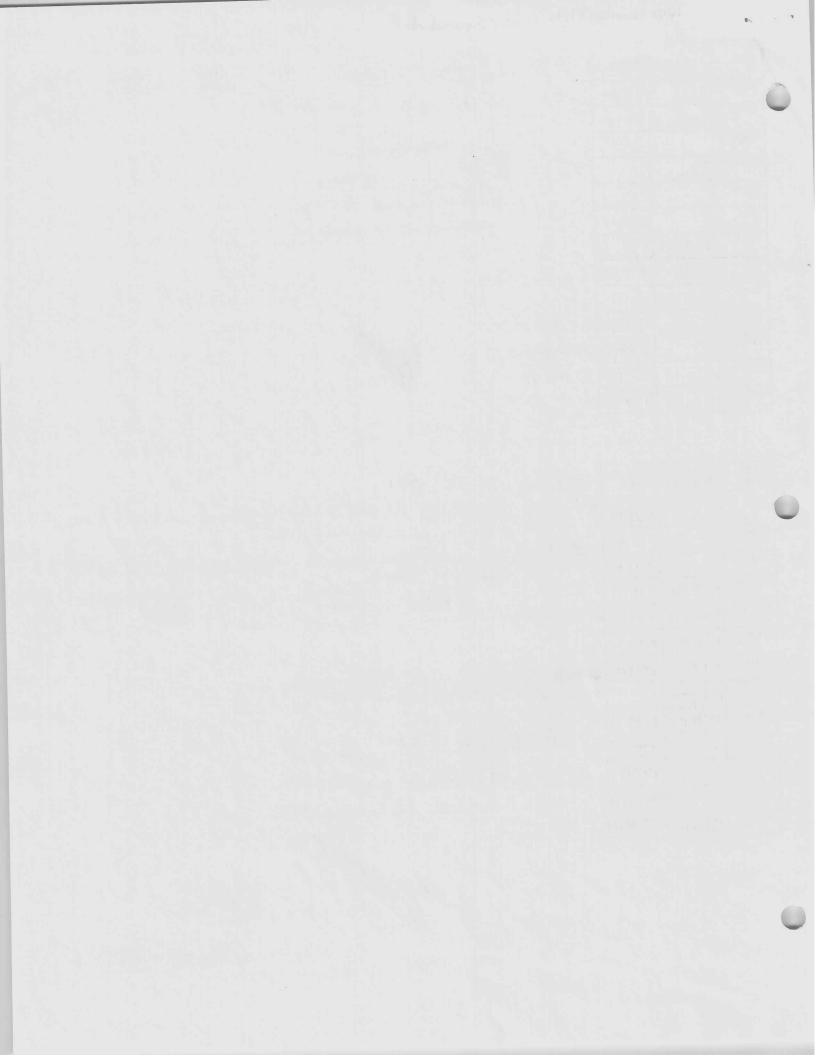
24 hr rest - TTRC DIRC all got atmy bit edeasonple buld commiss 9: 15pm 7 Second Screen unto at complety. THE producing cells timoline. a lot mon 18W - Med, a - fan-like IFNO Pep, [H2 1 - PPD ruming @ 700 ed-14 51 DIX - 101 DES. MOR COBUST PAMPS experiment. restarted. Then to gas \$ 12 W TT - log compite @ 5.18. stopped source 12 hr - Malia lot deance. .. ? Beautiful & 125poolding PDD cells. . XIT work wat intended TEN, THE HOUSER. 6 Mr - lat messicin media only, scosing alour up a bit! 7:24pm - weild green screen papped of It OFC & 7:30 chows 24; 20 miles 5 IT < 28TT & inch o Meeping consistent. \$/sp 008-001 - +00 JT 8:30 sec (7 min max as our cetalt) Flow: 6:30 pm start accolds:

when digos to midercounted to o gibe make

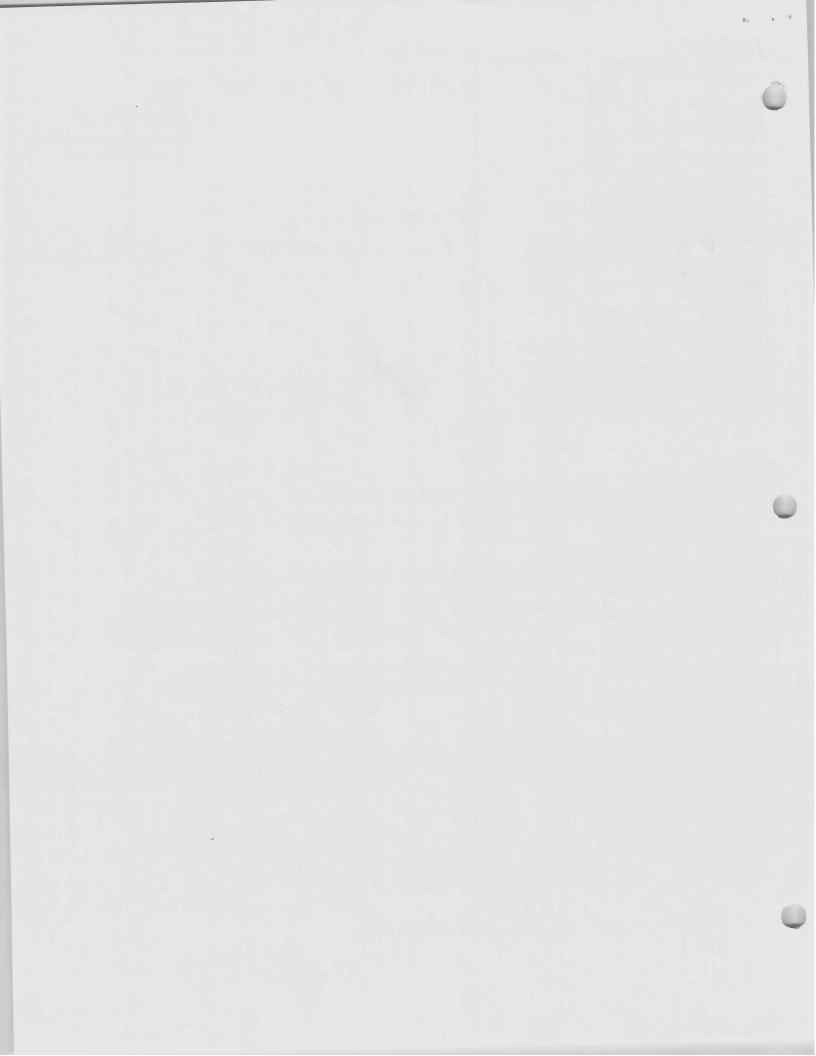
4095:01 2000 7

Tube counts/Plate Courts/Supernaturts No Rest: Projected Actual (costim) Thaw: 4:12pm w/ 10pl pipathe antigers alignorted Count: 4:55 pm Saliday Plate: 7:06 FBS-spindam Process: Count: lost FBS wash @ 2:37 pm Stim: 5:29 pm Remwash -> 2:50pm Golgi: 7:29 pm 7:30 900 Spin: 1:22 pm 1:20 pm Spin2: L/D: 13:48pm -> 2)03 Extra: 2:18 pm -7 2:38 pm Intra: 3:29pm -> 4:09pm End: 4:20 pm 6 hrs Saturday, In 23rd, 2021 Rest: Projected Actual A Tous of adherent Mots het woold wash only pried principals loose, not ideal. Ever in how added worm media? Thaw: 8:26 AM Count: 9:06 AM PPD got less cells (420pl a 8401?) Messuptus, thank suitched correctly Plate: 9:13 AM Process: 3113 PM 3:10 pm Costim Count: 3145 PM? 15:38 pm +> 3:52 pm 60ma Stim: M9 001H 16:08pm Golgi: 6:00,PM 6:09PM Spin: 12:00 PM Spin2: 12,20 pm 12:20 AbtLA Mix @ 10:30 AM L/D: 1230 Spin @ 13:22 Extra: FIX Reim @ 1240pm 12:59 Intra: 14:24 pm 2:06 Permuash spin End: 3:16pr 3:04pm

2 234 tubes/ * 7 228 -> 3/3 -> [H heurs]



	12 hrs Rest:	Projected	Actual	Saturday, Jan 23d 2021
	Thaw:		8:28 AM	(C) (R) (P) (P) (P)
	Count:		9106 AM	175-7 350V cells
19	Plate:	HALL!	9:13 AM	1500 pl, normal Protes
30°	Process:	4:13 PM	9:03PM	but overdraged "
*	Count:	9:45PM?	9:54pm	
- 100	0.1.	10:00 PM	10:14pm	1st FBS Wash 6:47pm
5 intal	Spin:	100 de also	00:14 41	Femwach 7:31, 7:41 pm 7:51 7:55 Last wash 8:03p
	Spin2:	6:04 pm		
	L/D:	*	6:30pm	
	Extra:		1.	7718pa
	Intra:		8:11-	8:51pm
	End:		9:08	
			* * * * * * * * * * * * * * * * * * *	
-				
	18 hrs Rest:	Projected	Actual	need worm RAMI 2 cold, + remnant Rio
	Thaw:		+: 12 pm	The to time conflots have the C
Soldor	Count:		1:55pm	so ~ (8 har-ish. *)
-	Plate:		5:35 pm	Less adherant cells wy longer culture."
Simbor		1.35 am		combined both tibes into one for this wound.
	Count: Stim:			The O C I
,	Colgi		200pm	spin down
vertal	Spin	:00 pm	-	11:16 SC Stain Made MAC TT TTRE PRO More
Cidal	Spin2:	50 Am		
F	L/D:	2	20-79	2:35 SPA Maria's Cata sign O O O
	Extra: 2		3:65-7	9:15 Spin Maria's Cent @ 8:40 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	Intra:			2600N
L	End:	-	1:27pm	[Lied local issue -> 9: 24 pm => 9:32
w.	* 21"			In the Both 9:36 golgi Wall, 9:47
	# #			In the Godge Pennash @ 10:00 AM
	8 4			0:30 (14/40)
				nn /



24 hrs 50s @ 5:22pm Rest: Projected Actual Thaw: Media Mac. H:12 pm TT . Count: 4:55 pm 2 8201K Plate: 5:35 pm Process: 5:35 pm 5:03pm Surden zinto centraliza Count: 5:39 pm 40 spine 2:26 pm Stim: 5:53pm Issur centifice reclas Golgi: 7:49 pm Mondon Spin: 2:28 pm Spin2: Find FBS wash 3:07 pm 13:57m L/D: 3:20pm Permyanh 1408m 2:23 Extra: :47 3:07 Intra: 7443 pm End: Scs/Fresh Processed

12:59 resuspended

Count @ 1: 22 pm

1:29 2m/ -> aligorited

1:3 M extracelly -> Trozol

2:17 pm sc inadatron 4°C 2:41 pm

Sport @ 2:50 pm



3:04 pm dare