

July 21-22nd, 2022

Fresh-thawed PBMCs
Spectral Panel Optimization #2
alpha betas

Specimen	Status	Location	Conc	Date	Tasks	Volume	Ly	Ly+Mon	Total	2E+6	1.5E+6

HSU: Aurora w password 47
LSPR → baltimore 2014

DR Dump 1419 LyFixTh: 150 events

CD14: Mon: average CD14 pearls $10^{5.12}$
bright CD14 $10^{5.14}$ $10^{6.11}$

CD19: $10^4 - 10^{4.15}$ (w/ few scattered monocyte signatures middle)

Spilled approach w/ similar intermediate

to attempt negative AFs.

CD45RA → monocytes boosted by AF
instead of $10^{5.11}$ → $10^{5.13}$

$10^{5.12}$ monocyte → (few events in 150 cells)

Robust sample @ $10^{5.11}$ → for all Ly, should swamp out AF monocytes.

84 hours in 100%
CO₂ at 37°C

100% O₂ at 37°C

100% O₂

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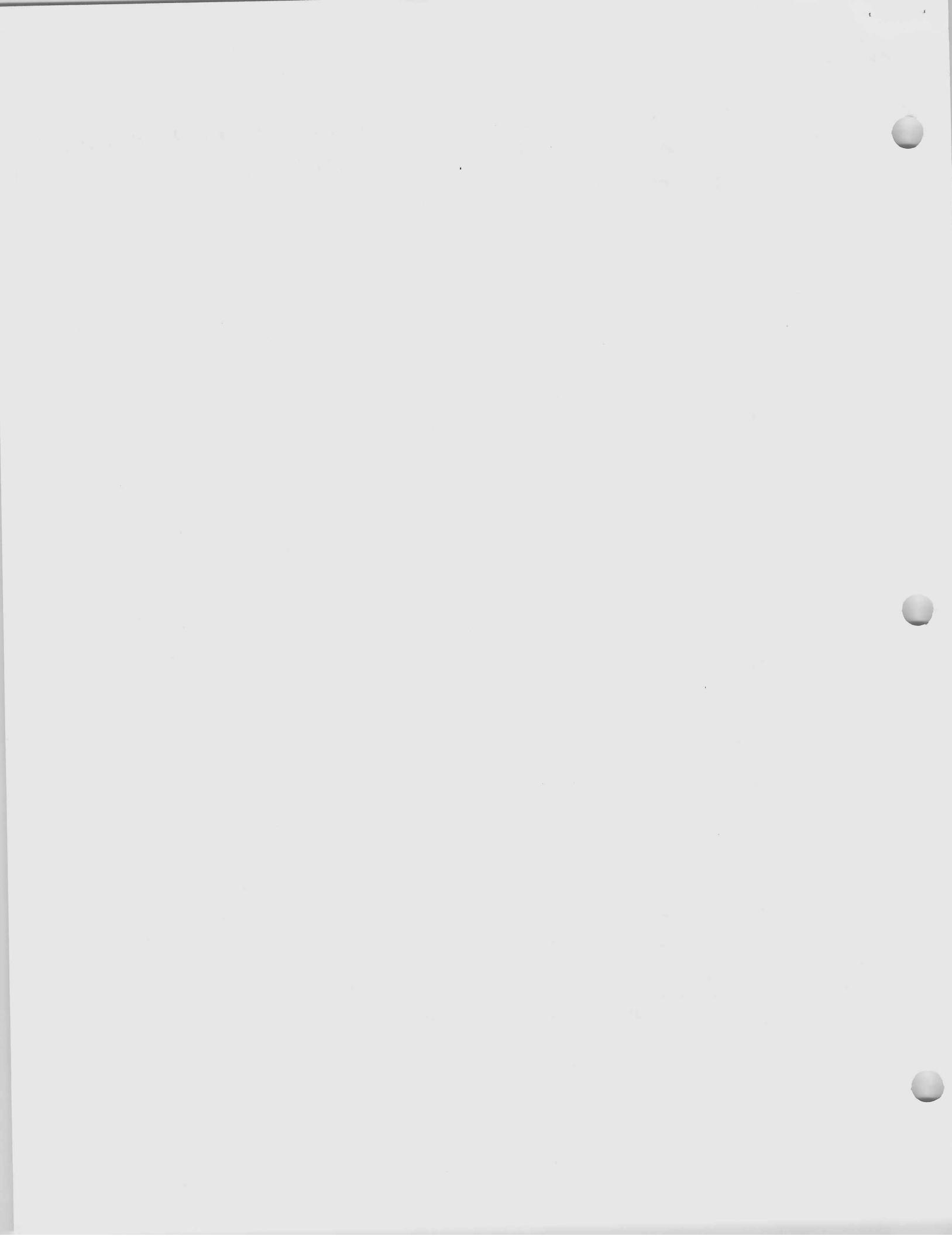
100% O₂ at 37°C

1

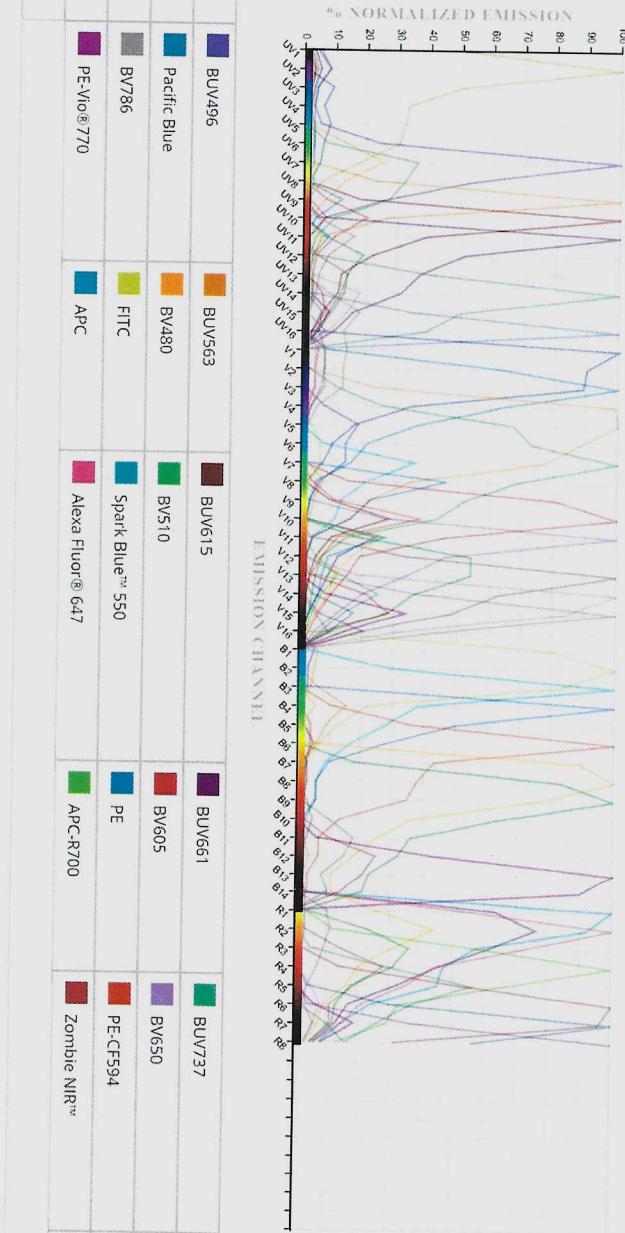
2

3

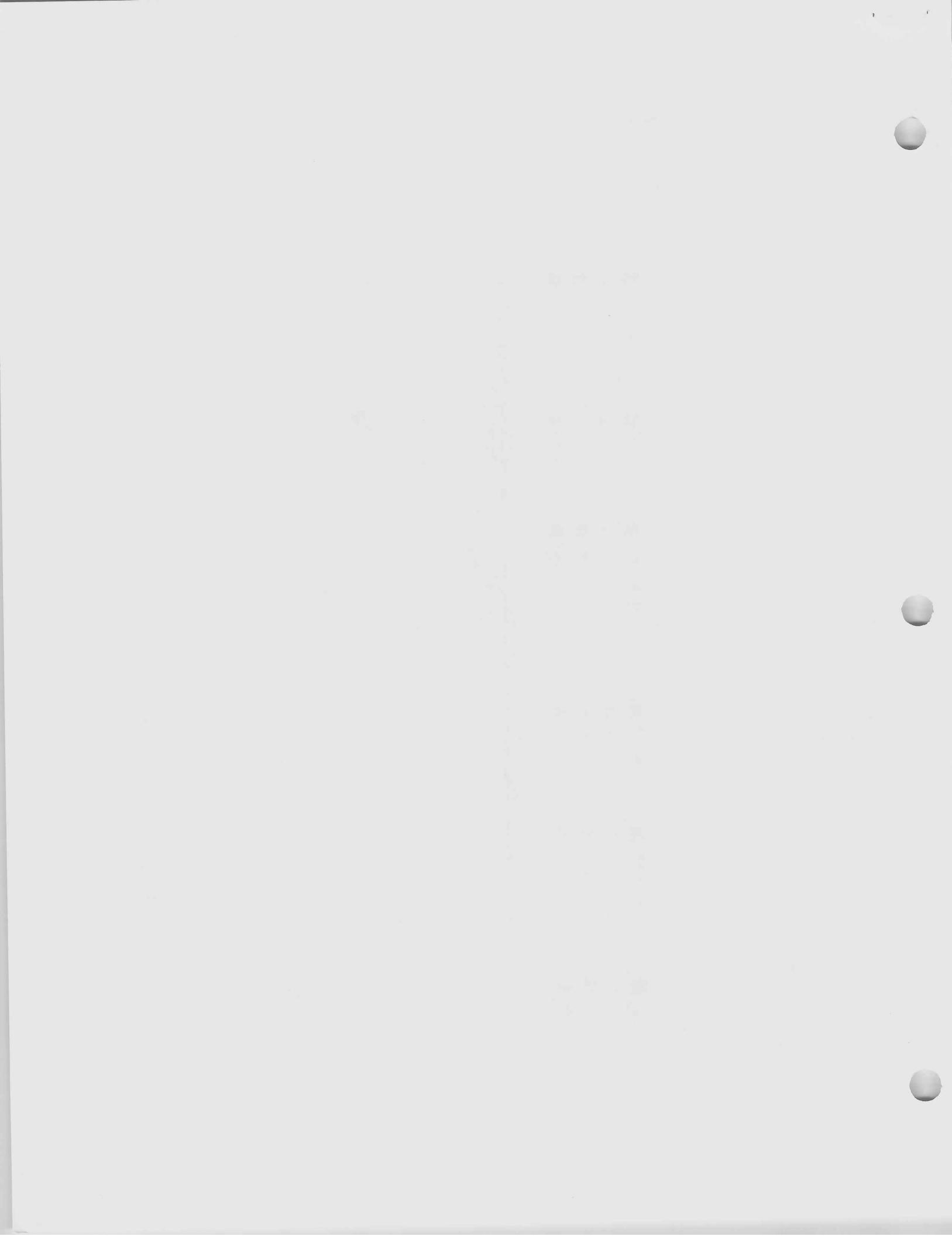
Running ab's @ 6:54pm, but more rad in their AF channels
250 unstauned event rate ~170 evt/sec.
Full standard ~3000 evt/sec





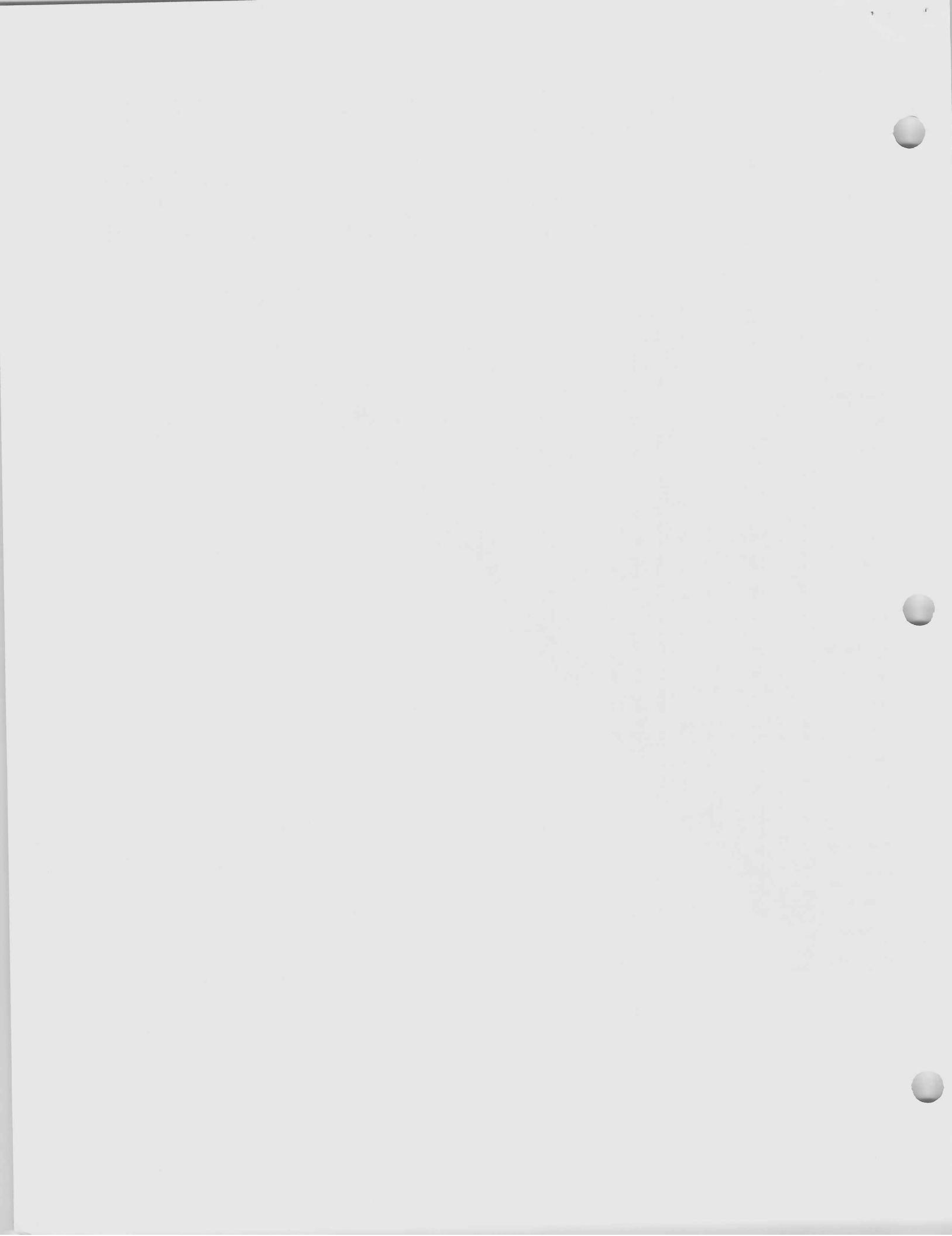


	BUV395	BUV496	BUV533	BUV615	BUV661	BUV737	BUV805
BV421							
Pacific Blue							
BV750							
BV786							
FITC							
Spark Blue™ 550							
PE							
PerCP-Cy™ 5.5							
PE-Vio® 770							
Alexa Fluor® 647							
APC							
APC-R700							
Zombie NIR™							
APC-Fire 810							

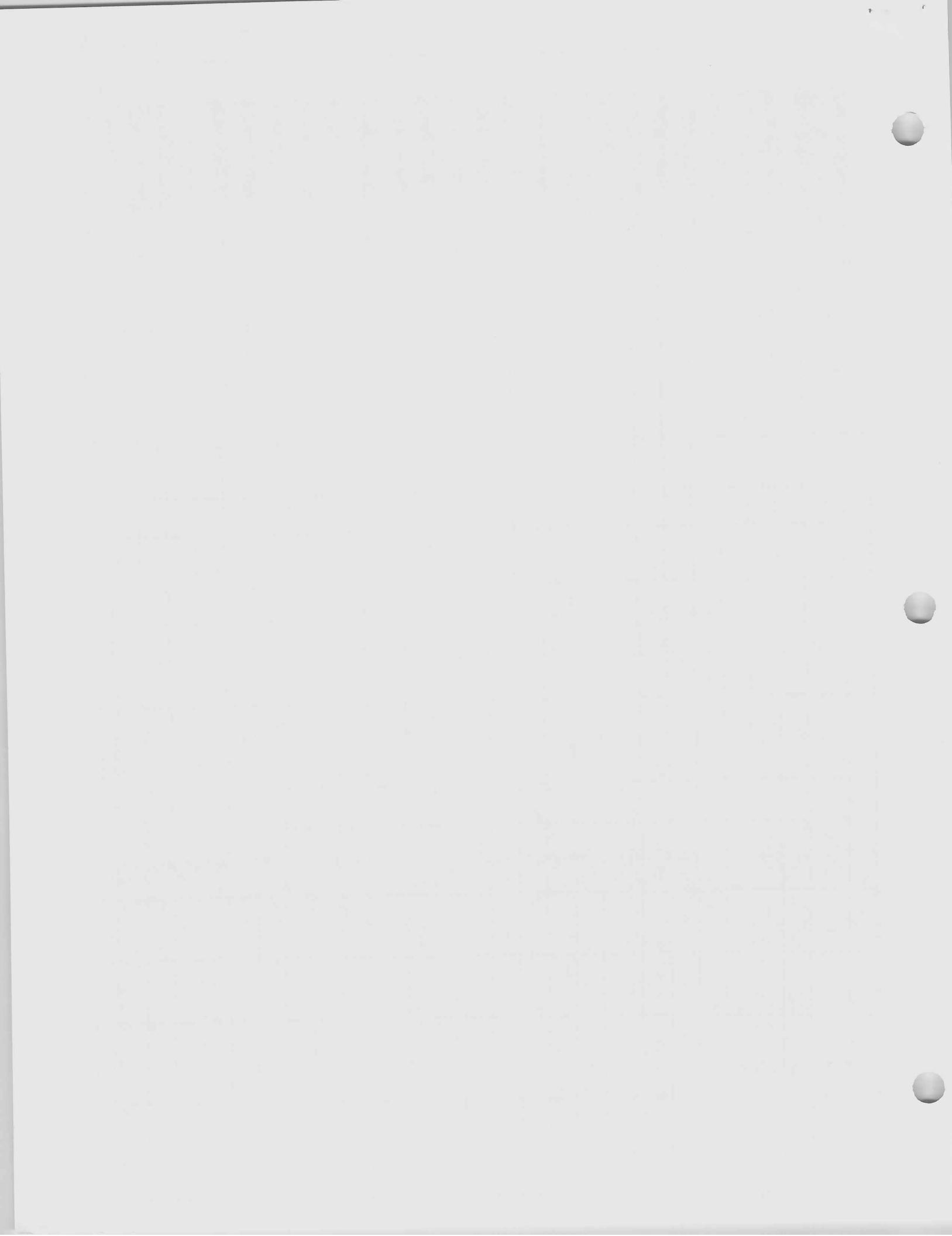


Similarity[™] Indices

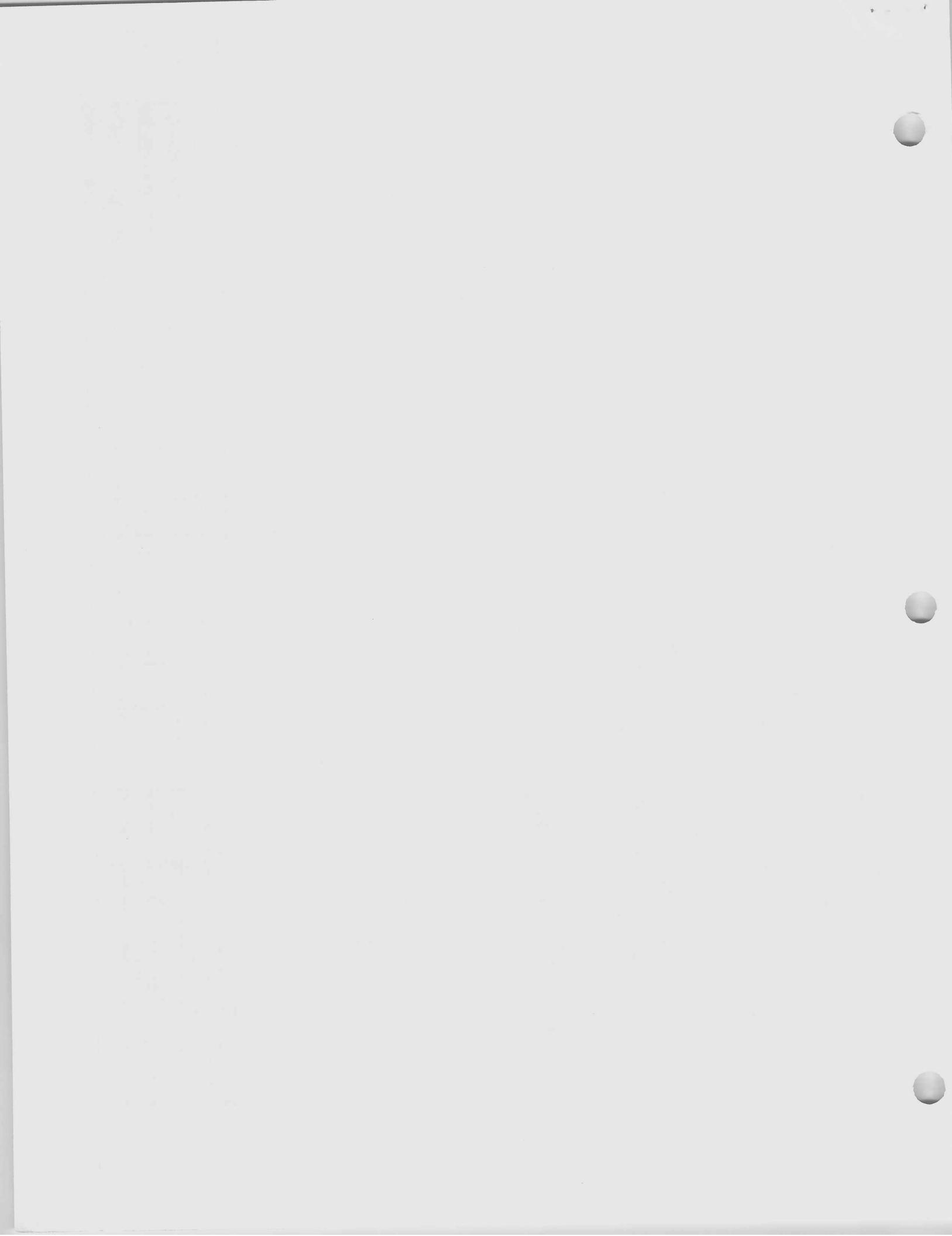
Configuration:4L 16UV-16V-14B-8R



#	Filter	Fluorochrome	Marker	Clone	DREG-56	Manufacturer	Catalog #	Cell location	Abundance	Lot #	Control type	Fluct?	Condition	Percent	Param: brightest MFI	Total #	Sig#: color (ul)	Negative MFI	Positive MFI	Comments	Reference (key/Name)
1		BUV395	CD62L		(DREG-56)									1.5		1					
2		BUV496	CD8		(RPA-T8)									0.5		1					
3		BUV553	CD69		(FN50)									0.5		1					
4		BLUV615	CCR4		(1G1)									1		1.5					
5		BLUV651	V42		(B6)									0.5		1.5					
6		BUV737	CXCR3		(1G6/CXCR3)									0.5		1.5					
7		BUV805	CD4		(SK3)									0.5		1.5					
8		BV421	CD127		(A019DS)									0.5		1					
9		Pacific Blue	CD14		(M5E2)									0.5		1.5					
10		BV480	CD161		(RE-A631)									0.5		1.5					
11		BV510	CD45RA		(H110)									0.5		1.5					
12		BV605	CKCR5		(J252B4)									0.5		1					
13		BV650	CCR7		(G043H7)									0.5		1					
14		BV711	\V67.2		(3C10)									0.5		1.5					
15		BV750	IFNG		(B27)									0.5		1					
16		BV786	CCR6		(11A9)									0.5		1.5					
17		FITC	FOXP3											0.5		1					
18		Spark blue 550	CD3		(SK7)									0.5		1.5					
19		PE	PD-1		(EH12.2H7)									0.5		1					
20		PE-CF594	CD26		(M-A261)									0.5		1.5					
21		PE-Q5	CD25		(M-A251)									0.5		1					
22		PerCP-CF5.5	TNFa		(MAB11)									0.5		1					
23		PE-vio770	HLA-DR		(L243)									0.5		1.5					
24		APC	CD39		(A1)									0.5		1					
25		Alexa Fluor 647	IL2		(MQ1-17H12)									0.5		1					
26		APC-R700	CD107a		(H4A3)									0.5		1.5					



27	Zombie NIR	L/D												
28	APC/Fire 750	CD27	(0323)									1.5	1	0.5
29	APC/Fire 810	CD38	(0H12)									1.5	1	0.5
30	BV480	CD161	(REAE31)									1.5	1	0.5
31												1.5	1	0.5



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Aurora unmix \rightarrow CO₃

