

Cytometer Performance Report

Cytometer: FACSriaII
 Cytometer Name: FACSriaII
 Serial Number: 1
 Input Device: Manual
 Cytometer Configuration: 100 microns 25PSI standard

User: Administrator
 Institution: N/A
 Software: BD FACSDiva 8.0.1
 Date: 11/13/2017 11:11 AM
 Cytometer Baseline: 10/20/2017 01:51 PM
 P/F: Pass

Setup Beads

Bead Product: CST Setup Beads Part #: 910858
 Lot ID: 70106 Expiration Date: 01/31/2018
 Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124907	-1	1.69	125092	1.68
Blue	C	SSC	125000	122489	-3	3.48	123732	3.45
Blue	B	Alexa Fluor 488	27498	27248	-1	3.00	741	15.30
Blue	A	PerCP	36112	35869	-1	4.76	811	20.95
Red	C	Alexa Fluor 647	28741	28508	-1	3.59	763	19.21
Red	B	APC-Alexa 700	141071	139742	-1	2.74	2977	8.71
Red	A	APC-Cy7	131206	129637	-2	3.34	2418	15.44
561 Yellow-Green	E	DsRed	87112	86773	-1	2.84	2511	8.57
561 Yellow-Green	D	PE-Texas Red	73278	73053	-1	3.25	1979	13.13
561 Yellow-Green	C	7-AAD	120414	119249	-1	3.59	3155	13.23
561 Yellow-Green	B	PE-Cy5-5	118969	116693	-2	3.93	2702	11.17
561 Yellow-Green	A	PE-Cy7	36384	35338	-3	4.02	610	14.66

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	14412	2.36	342	-3	N/A	N/A	Pass
Blue	C	SSC	63024	3.08	363	3	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	109	51.97	601	-3	0.0274	0	Pass
Blue	A	PerCP	121	61.77	622	-6	0.0047	357	Pass
Red	C	Alexa Fluor 647	143	45.30	594	-9	0.0081	61	Pass
Red	B	APC-Alexa 700	517	20.32	633	-9	0.0064	72	Pass
Red	A	APC-Cy7	413	38.32	690	-7	0.0022	199	Pass
561 Yellow-Green	E	DsRed	496	19.48	661	-6	0.4103	0	Pass
561 Yellow-Green	D	PE-Texas Red	363	32.20	640	-6	0.0314	16	Pass
561 Yellow-Green	C	7-AAD	524	35.00	749	-11	0.0310	54	Pass

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561 Yellow-Green	B	PE-Cy5-5	444	29.91	666	-10	0.0250	234	Pass
561 Yellow-Green	A	PE-Cy7	105	34.32	488	-9	0.0198	0	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
561 Yellow-Green Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

Laser Settings

Laser	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Red	-74.92	-73.98	1.00
561 Yellow-Green	-39.04	-38.19	0.97
Blue	0.00	0.00	1.12

Window Extension: 2.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 9790

Fluidics

Sheath Pressure: 24.79 Sample Pressure: 23.77
Nozzle Size: 100

Comments