

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: 12/18/2017 11:43 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	126183	0	5.61	130985	6.27
Blue	C	SSC	125000	123372	-2	3.90	124836	3.88
Blue	B	Alexa Fluor 488	27498	27068	-2	2.99	743	14.78
Blue	A	PerCP	36112	35894	-1	5.55	811	20.85
Red	C	Alexa Fluor 647	28741	28241	-2	3.63	754	19.28
Red	B	APC-Alexa 700	141071	138912	-2	4.69	2915	8.53
Red	A	APC-Cy7	131206	129764	-2	5.16	2371	15.93
561 Yellow-Green	E	DsRed	87112	86158	-2	3.02	2508	8.56
561 Yellow-Green	D	PE-Texas Red	73278	72475	-2	3.43	1963	13.38
561 Yellow-Green	C	7-AAD	120414	118183	-2	4.27	3113	13.29
561 Yellow-Green	B	PE-Cy5-5	118969	118468	-1	6.00	2712	11.13
561 Yellow-Green	A	PE-Cy7	36384	35352	-3	6.59	599	14.54

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16435	3.39	341	-4	N/A	N/A	Pass
Blue	C	SSC	65033	2.55	362	2	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	110	50.44	599	-5	0.0295	0	Pass
Blue	A	PerCP	123	60.40	621	-7	0.0048	360	Pass
Red	C	Alexa Fluor 647	144	45.62	593	-10	0.0081	86	Pass
Red	B	APC-Alexa 700	516	20.02	631	-11	0.0101	2324	Pass
Red	A	APC-Cy7	411	38.61	690	-7	0.0023	290	Pass
561 Yellow-Green	E	DsRed	499	19.77	660	-7	0.4216	1	Pass
561 Yellow-Green	D	PE-Texas Red	363	32.37	639	-7	0.0303	10	Pass
561 Yellow-Green	C	7-AAD	519	36.02	747	-13	0.0326	97	Pass

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561 Yellow-Green	B	PE-Cy5-5	446	29.26	666	-10	0.0337	441	Pass
561 Yellow-Green	A	PE-Cy7	102	33.89	487	-10	0.0245	19	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	-74.36	-74.19	1.01
561 Yellow-Green	-38.36	-38.30	0.98
Blue	0.00	0.00	1.14

Window Extension: 2.00
FSC Area Scaling Factor: 0.95

Threshold

Threshold (FSC): 9663

Fluidics

Sheath Pressure: 24.82 Sample Pressure: 23.77
Nozzle Size: 100

Comments