

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: 05/28/2018 11:25 AM
 Cytometer Baseline: 02/01/2018 10:15 AM
 P/F: Pass

Setup Beads

Bead Product: CST Setup Beads Part #: 910858
 Lot ID: 70106 Expiration Date: 01/31/2018 (Expired)
 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	124696	-1	2.04	124799	2.11
Blue	C	SSC	125000	124063	-1	3.32	125303	3.37
Blue	B	Alexa Fluor 488	28577	27811	-3	3.10	760	13.80
Blue	A	PerCP	46788	45943	-2	4.64	1046	18.85
Red	C	Alexa Fluor 647	30278	29693	-2	3.36	794	16.36
Red	B	APC-Alexa 700	132138	130253	-2	3.86	2796	7.77
Red	A	APC-Cy7	121354	119068	-2	4.89	2223	13.41
561 Yellow-Green	E	DsRed	85861	85351	-1	1.88	2531	6.96
561 Yellow-Green	D	PE-Texas Red	70915	70361	-1	2.29	1927	11.27
561 Yellow-Green	C	7-AAD	98107	97503	-1	2.48	2590	11.38
561 Yellow-Green	B	PE-Cy5-5	113747	111992	-2	3.20	2593	9.78
561 Yellow-Green	A	PE-Cy7	33071	31960	-4	4.13	551	12.68

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17686	3.54	308	5	N/A	N/A	Pass
Blue	C	SSC	59943	3.21	338	0	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	111	46.23	575	1	0.0340	0	Pass
Blue	A	PerCP	153	52.12	611	-1	0.0056	161	Pass
Red	C	Alexa Fluor 647	150	37.85	563	-3	0.0114	43	Pass
Red	B	APC-Alexa 700	481	17.79	588	-6	0.0108	893	Pass
Red	A	APC-Cy7	380	32.07	645	1	0.0033	158	Pass
561 Yellow-Green	E	DsRed	498	16.47	628	0	0.5900	0	Pass
561 Yellow-Green	D	PE-Texas Red	348	27.91	603	-4	0.0408	0	Pass
561 Yellow-Green	C	7-AAD	424	29.72	690	-4	0.0396	14	Pass

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561 Yellow-Green	B	PE-Cy5-5	415	27.46	639	-16	0.0330	285	Pass
561 Yellow-Green	A	PE-Cy7	92	31.30	460	-1	0.0281	8	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	-69.99	-69.26	1.07
561 Yellow-Green	-36.46	-35.65	1.02
Blue	0.00	0.00	1.20

Window Extension: 2.00
FSC Area Scaling Factor: 0.96

Threshold

Threshold (FSC): 11941

Fluidics

Sheath Pressure: 24.74 Sample Pressure: 23.77
Nozzle Size: 100

Comments