

Cytometer Performance Report

Cytometer: FACSriaII
Cytometer Name: FACSriaII
Serial Number: 1
Input Device: Manual
Cytometer Configuration: 100 microns Standard

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.1
Date: 08/31/2015 03:00 PM
Cytometer Baseline: 07/01/2015 11:09 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads Part #: 910858
Lot ID: 82950 Expiration Date: 03/31/2016
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	125359	0	2.27	125431	2.30
Blue	F	SSC	125000	123046	-2	3.91	124105	3.83
Blue	E	FITC	30300	30340	0	3.68	686	19.44
Blue	D	PE	53768	53339	-1	3.59	1050	20.20
Blue	C	PE-Texas Red	49521	49500	-1	4.82	956	28.08
Blue	B	PerCP-Cy5-5	101044	99169	-2	6.16	2026	36.47
Blue	A	PE-Cy7	83046	81037	-3	8.17	967	63.51
Red	B	APC	107855	106873	-1	3.47	2388	16.82
Red	A	APC-Cy7	92245	91409	-1	4.17	1382	22.38

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	14093	7.39	390	-2	N/A	N/A	Pass
Blue	F	SSC	62734	3.66	403	8	N/A	N/A	Pass
Blue	E	FITC	126	53.91	661	4	0.0186	0	Pass
Blue	D	PE	247	51.49	621	5	0.0758	59	Pass
Blue	C	PE-Texas Red	226	62.78	746	4	0.0058	73	Pass
Blue	B	PerCP-Cy5-5	362	89.80	874	-1	0.0030	43	Pass
Blue	A	PE-Cy7	126	197.00	846	-1	0.0053	16	Pass
Red	B	APC	656	31.75	733	-2	0.0176	22	Pass
Red	A	APC-Cy7	317	48.55	706	1	0.0019	168	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Red 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	-50.66	-50.05	0.94
Blue	0.00	0.00	1.15

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Window Extension: 2.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9873

Fluidics

Sheath Pressure: 24.83 Sample Pressure: 23.79
Nozzle Size: 100

Comments