

Cytometer Performance Report

Cytometer: FACSriaII
 Cytometer Name: FACSriaII
 Serial Number: PO249
 Input Device: Manual
 Cytometer Configuration: 100 microns Standard

User: Administrator
 Institution: N/A
 Software: BD FACSDiva 6.1.3
 Date: 11/03/2014 11:22 AM
 Cytometer Baseline: 10/28/2014 01:52 PM
 P/F: Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
 Lot ID: 91725, Expiration Date: 04/30/2016
 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	125153	0	1.99	125202	1.98
Blue	F	SSC	125000	123371	-2	5.40	124044	5.34
Blue	E	FITC	40335	40167	-1	3.01	1990	9.80
Blue	D	PE	43651	43601	-1	3.14	1790	12.15
Blue	C	PE-Texas Red	43529	43880	0	4.17	1733	18.28
Blue	B	PerCP-Cy5-5	113477	112527	-1	4.74	4000	22.15
Blue	A	PE-Cy7	122905	121731	-1	5.75	2384	36.72
Red	B	APC	126160	125881	-1	3.37	7327	9.05
Red	A	APC-Cy7	160729	158728	-2	3.13	5002	11.38

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead %Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17622	6.88	415	2	N/A	N/A	Pass
Blue	F	SSC	65949	4.36	381	5	N/A	N/A	Pass
Blue	E	FITC	231	35.09	641	4	0.0215	114	Pass
Blue	D	PE	360	33.82	584	3	0.0813	105	Pass
Blue	C	PE-Texas Red	375	41.93	704	3	0.0056	27	Pass
Blue	B	PerCP-Cy5-5	448	70.73	823	0	0.0035	91	Pass
Blue	A	PE-Cy7	113	194.70	805	2	0.0057	20	Pass
Red	B	APC	509	34.33	684	-5	0.0163	0	Pass
Red	A	APC-Cy7	291	50.74	668	-5	0.0017	309	Pass

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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	-33.19	-32.79	1.30
Blue	0.00	0.00	1.37

Window Extension: 2.00
FSC Area Scaling Factor: 1.10

Threshold

Threshold (FSC): 9880

Fluidics

Sheath Pressure: 24.90 Sample Pressure: 23.65
Nozzle Size: 100

Comments