

Cytometer Performance Report

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

User: BDService
Institution: N/A
Software: BD FACSDiva 8.0.1
Date: 01/26/2015 02:41 PM
Cytometer Baseline: 01/07/2015 04:21 PM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads Part #: 910858
Lot ID: 24628 Expiration Date: 08/31/2015
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	124876	-1	2.87	124989	2.88
Blue	F	SSC	125000	122429	-3	5.58	123687	5.67
Blue	E	FITC	29655	29790	0	4.24	691	17.11
Blue	D	PE	44479	43950	-2	4.19	991	16.75
Blue	C	PE-Texas Red	49988	50132	0	5.22	1143	22.72
Blue	B	PerCP-Cy5-5	85836	84470	-2	6.80	3132	24.04
Blue	A	PE-Cy7	72140	71169	-2	8.48	2013	36.90
Red	B	APC	86986	86339	-1	3.46	3160	12.59
Red	A	APC-Cy7	76432	75547	-2	4.97	3077	13.37

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16595	9.03	364	-3	N/A	N/A	Pass
Blue	F	SSC	60882	5.03	383	2	N/A	N/A	Pass
Blue	E	FITC	128	48.57	635	-1	0.0251	0	Pass
Blue	D	PE	211	46.57	584	-2	0.1046	76	Pass
Blue	C	PE-Texas Red	238	53.10	719	-2	0.0076	23	Pass
Blue	B	PerCP-Cy5-5	385	69.87	832	-6	0.0045	38	Pass
Blue	A	PE-Cy7	188	131.69	810	-2	0.0074	19	Pass
Red	B	APC	589	28.84	696	-10	0.0228	34	Pass
Red	A	APC-Cy7	342	38.93	672	-13	0.0023	0	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	-49.88	-49.33	0.96
Blue	0.00	0.00	1.11

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Window Extension: 2.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 11126

Fluidics

Sheath Pressure: 24.77 Sample Pressure: 23.79
Nozzle Size: 100

Comments