

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: 07/06/2015 09:32 AM
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	124554	-1	2.27	124620	2.29
Blue	F	SSC	125000	123146	-2	4.35	124211	4.31
Blue	E	FITC	30300	30455	0	4.09	692	19.40
Blue	D	PE	53768	53417	-1	4.03	1051	19.66
Blue	C	PE-Texas Red	49521	50084	1	5.07	969	27.70
Blue	B	PerCP-Cy5-5	101044	100633	-1	6.49	2074	35.28
Blue	A	PE-Cy7	83046	83389	0	8.51	1019	60.96
Red	B	APC	107855	107034	-1	3.16	2409	16.26
Red	A	APC-Cy7	92245	92433	0	4.01	1424	21.17

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	13515	8.44	390	-2	N/A	N/A	Pass
Blue	F	SSC	61299	4.99	400	5	N/A	N/A	Pass
Blue	E	FITC	126	53.05	660	3	0.0185	0	Pass
Blue	D	PE	246	50.35	618	2	0.0815	60	Pass
Blue	C	PE-Texas Red	227	61.27	744	2	0.0059	47	Pass
Blue	B	PerCP-Cy5-5	371	88.49	874	-1	0.0033	72	Pass
Blue	A	PE-Cy7	140	185.02	848	1	0.0057	19	Pass
Red	B	APC	651	31.38	731	-4	0.0189	46	Pass
Red	A	APC-Cy7	330	45.86	703	-2	0.0020	195	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	-50.71	-50.10	0.95
Blue	0.00	0.00	1.16

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Window Extension: 2.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 11944

Fluidics

Sheath Pressure: 24.80 Sample Pressure: 23.79
Nozzle Size: 100

Comments