

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: 09/07/2015 10:51 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	125377	0	2.39	125499	2.35
Blue	F	SSC	125000	122850	-2	3.78	123876	3.72
Blue	E	FITC	30300	30334	0	3.41	690	18.80
Blue	D	PE	53768	52933	-2	3.42	1036	19.60
Blue	C	PE-Texas Red	49521	49650	0	4.47	956	27.84
Blue	B	PerCP-Cy5-5	101044	98874	-3	5.74	2057	35.28
Blue	A	PE-Cy7	83046	80821	-3	8.18	1065	61.71
Red	B	APC	107855	106434	-2	3.21	2376	16.54
Red	A	APC-Cy7	92245	90749	-2	4.30	1527	21.39

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	13952	7.55	386	-6	N/A	N/A	Pass
Blue	F	SSC	63721	3.16	404	9	N/A	N/A	Pass
Blue	E	FITC	130	51.12	662	5	0.0196	0	Pass
Blue	D	PE	250	50.53	620	4	0.0842	74	Pass
Blue	C	PE-Texas Red	230	60.75	747	5	0.0058	41	Pass
Blue	B	PerCP-Cy5-5	377	89.13	879	4	0.0033	98	Pass
Blue	A	PE-Cy7	149	187.28	858	11	0.0051	23	Pass
Red	B	APC	649	30.89	730	-5	0.0180	0	Pass
Red	A	APC-Cy7	359	46.21	711	6	0.0018	319	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	-50.53	-50.03	0.93
Blue	0.00	0.00	1.12

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Window Extension: 2.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9695

Fluidics

Sheath Pressure: 24.79 Sample Pressure: 23.79
Nozzle Size: 100

Comments