

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: 05/18/2015 11:29 AM
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	125440	0	2.97	125562	2.97
Blue	F	SSC	125000	122800	-2	4.45	123678	4.49
Blue	E	FITC	29655	29815	0	3.83	694	17.57
Blue	D	PE	44479	43876	-2	3.96	992	20.05
Blue	C	PE-Texas Red	49988	50495	1	4.70	1157	23.77
Blue	B	PerCP-Cy5-5	85836	85183	-1	6.60	3164	27.22
Blue	A	PE-Cy7	72140	70759	-2	8.23	2005	39.02
Red	B	APC	86986	86412	-1	3.19	3162	12.79
Red	A	APC-Cy7	76432	75685	-1	3.74	3103	13.33

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	14664	9.06	381	14	N/A	N/A	Pass
Blue	F	SSC	62346	3.88	391	10	N/A	N/A	Pass
Blue	E	FITC	133	50.26	647	11	0.0238	0	Pass
Blue	D	PE	218	52.73	615	29	0.0668	62	Pass
Blue	C	PE-Texas Red	249	54.34	734	13	0.0068	20	Pass
Blue	B	PerCP-Cy5-5	381	85.10	873	35	0.0035	110	Pass
Blue	A	PE-Cy7	173	150.19	825	13	0.0066	26	Pass
Red	B	APC	595	29.41	713	7	0.0217	38	Pass
Red	A	APC-Cy7	345	40.84	682	-3	0.0022	65	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	-50.37	-49.89	0.95
Blue	0.00	0.00	1.13

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Window Extension: 2.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9774

Fluidics

Sheath Pressure: 24.78 Sample Pressure: 23.79
Nozzle Size: 100

Comments