

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: 02/23/2015 11:46 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	126046	0	3.36	126212	3.30
Blue	F	SSC	125000	123678	-2	4.96	124959	4.97
Blue	E	FITC	29655	29692	0	3.96	691	17.37
Blue	D	PE	44479	44384	-1	3.93	1007	17.23
Blue	C	PE-Texas Red	49988	50234	0	4.70	1151	23.28
Blue	B	PerCP-Cy5-5	85836	85153	-1	6.26	3175	24.50
Blue	A	PE-Cy7	72140	71157	-2	8.11	2007	37.54
Red	B	APC	86986	86802	-1	3.41	3169	12.67
Red	A	APC-Cy7	76432	75960	-1	6.69	3079	14.94

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	14509	9.66	378	11	N/A	N/A	Pass
Blue	F	SSC	61784	4.56	385	4	N/A	N/A	Pass
Blue	E	FITC	129	48.15	639	3	0.0236	0	Pass
Blue	D	PE	217	46.14	589	3	0.0931	59	Pass
Blue	C	PE-Texas Red	247	51.86	725	4	0.0070	0	Pass
Blue	B	PerCP-Cy5-5	388	73.71	841	3	0.0043	71	Pass
Blue	A	PE-Cy7	181	137.41	816	4	0.0071	20	Pass
Red	B	APC	592	29.37	706	0	0.0226	53	Pass
Red	A	APC-Cy7	340	42.42	686	1	0.0020	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	-49.86	-49.28	0.95
Blue	0.00	0.00	1.11

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Window Extension: 2.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9804

Fluidics

Sheath Pressure: 24.85 Sample Pressure: 23.79
Nozzle Size: 100

Comments