

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: 05/04/2015 11:45 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	125060	0	3.09	125096	3.16
Blue	F	SSC	125000	123428	-2	4.92	124510	4.92
Blue	E	FITC	29655	29675	0	4.25	689	18.47
Blue	D	PE	44479	44164	-1	4.44	998	20.46
Blue	C	PE-Texas Red	49988	50229	0	5.00	1144	24.00
Blue	B	PerCP-Cy5-5	85836	84579	-2	7.39	3146	28.05
Blue	A	PE-Cy7	72140	72127	-1	9.17	2015	40.14
Red	B	APC	86986	85705	-2	3.68	3130	13.45
Red	A	APC-Cy7	76432	75758	-1	6.73	3091	15.27

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	14152	9.02	384	17	N/A	N/A	Pass
Blue	F	SSC	61770	4.31	391	10	N/A	N/A	Pass
Blue	E	FITC	131	51.12	648	12	0.0210	0	Pass
Blue	D	PE	216	55.60	621	35	0.0666	78	Pass
Blue	C	PE-Texas Red	249	55.01	734	13	0.0068	42	Pass
Blue	B	PerCP-Cy5-5	378	84.97	871	33	0.0033	71	Pass
Blue	A	PE-Cy7	177	152.98	829	17	0.0064	27	Pass
Red	B	APC	593	30.25	718	12	0.0197	15	Pass
Red	A	APC-Cy7	340	45.53	705	20	0.0019	308	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	-50.31	-49.79	0.93
Blue	0.00	0.00	1.13

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Window Extension: 2.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9719

Fluidics

Sheath Pressure: 24.83 Sample Pressure: 23.79
Nozzle Size: 100

Comments