

Cytometer Performance Report

Cytometer: FACSriaII
 Cytometer Name: FACSriaII
 Serial Number: PO249
 Input Device: Manual
 Cytometer Configuration: 100 microns Standard

User: Administrator
 Institution: N/A
 Software: BD FACSDiva 6.1.3
 Date: 11/12/2014 11:27 AM
 Cytometer Baseline: 10/28/2014 01:52 PM
 P/F: Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
 Lot ID: 91725, Expiration Date: 04/30/2016
 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	124683	-1	2.46	124675	2.40
Blue	F	SSC	125000	124246	-1	4.82	124744	4.82
Blue	E	FITC	40335	40131	-1	2.75	1994	9.67
Blue	D	PE	43651	43191	-2	2.83	1777	11.78
Blue	C	PE-Texas Red	43529	43576	0	3.99	1728	17.87
Blue	B	PerCP-Cy5-5	113477	112326	-2	4.47	3981	22.08
Blue	A	PE-Cy7	122905	120482	-2	5.89	2314	35.92
Red	B	APC	126160	125744	-1	3.01	7337	9.11
Red	A	APC-Cy7	160729	158930	-2	3.28	4939	11.55

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead %Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17885	7.66	410	-3	N/A	N/A	Pass
Blue	F	SSC	66253	3.30	377	1	N/A	N/A	Pass
Blue	E	FITC	232	33.94	635	-2	0.0214	52	Pass
Blue	D	PE	358	31.85	579	-2	0.0825	73	Pass
Blue	C	PE-Texas Red	369	41.00	698	-3	0.0058	0	Pass
Blue	B	PerCP-Cy5-5	453	70.01	816	-7	0.0035	89	Pass
Blue	A	PE-Cy7	113	188.53	798	-5	0.0061	20	Pass
Red	B	APC	515	33.53	685	-4	0.0154	0	Pass
Red	A	APC-Cy7	288	51.19	669	-4	0.0017	298	Pass

Cytometer Performance Report

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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	-32.99	-32.80	1.30
Blue	0.00	0.00	1.40

Window Extension: 2.00
FSC Area Scaling Factor: 1.12

Threshold

Threshold (FSC): 11891

Fluidics

Sheath Pressure: 24.80 Sample Pressure: 23.65
Nozzle Size: 100

Comments