

Cytometer Performance Report

Cytometer:	FACSAriaII	User:	Administrator
Cytometer Name:	FACSAriaII	Institution:	N/A
Serial Number:	1	Software:	BD FACSDiva 8.0.1
Input Device:	Manual	Date:	06/01/2015 11:06 AM
Cytometer Configuration:	100 microns Standard	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	125652	0	2.74	125651	2.82
Blue	F	SSC	125000	123475	-2	3.46	124295	3.59
Blue	E	FITC	29655	30024	1	3.61	692	17.99
Blue	D	PE	44479	43979	-2	3.56	991	18.17
Blue	C	PE-Texas Red	49988	49837	-1	4.54	1134	24.49
Blue	B	PerCP-Cy5-5	85836	86241	0	5.98	3228	26.91
Blue	A	PE-Cy7	72140	71645	-1	8.19	2138	39.84
Red	B	APC	86986	86484	-1	3.49	3159	13.19
Red	A	APC-Cy7	76432	75919	-1	4.37	3417	13.18

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	12584	4.34	381	14	N/A	N/A	Pass
Blue	F	SSC	61879	3.32	392	11	N/A	N/A	Pass
Blue	E	FITC	131	51.12	650	14	0.0224	0	Pass
Blue	D	PE	216	48.90	595	9	0.0836	66	Pass
Blue	C	PE-Texas Red	245	60.40	735	14	0.0068	185	Pass
Blue	B	PerCP-Cy5-5	390	84.90	871	33	0.0035	122	Pass
Blue	A	PE-Cy7	180	158.52	839	27	0.0060	33	Pass
Red	B	APC	592	30.55	717	11	0.0207	52	Pass
Red	A	APC-Cy7	381	40.10	692	7	0.0021	184	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	-50.56	-50.07	0.95
Blue	0.00	0.00	1.14

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P/F: Pass

Window Extension: 2.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9636

Fluidics

Sheath Pressure: 24.81 Sample Pressure: 23.79
Nozzle Size: 100

Comments