

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:	04/07/2015 11:24 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	124834	-1	2.70	124849	2.84
Blue	F	SSC	125000	122066	-3	4.63	122751	4.79
Blue	E	FITC	29655	29981	1	3.62	696	16.66
Blue	D	PE	44479	44284	-1	3.82	998	19.29
Blue	C	PE-Texas Red	49988	49974	-1	4.40	1140	23.04
Blue	B	PerCP-Cy5-5	85836	85253	-1	6.03	3165	27.08
Blue	A	PE-Cy7	72140	71866	-1	7.58	2036	38.01
Red	B	APC	86986	86335	-1	3.88	3151	13.28
Red	A	APC-Cy7	76432	75402	-2	10.02	3149	16.46

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	12269	3.55	377	10	N/A	N/A	Pass
Blue	F	SSC	60107	3.68	388	7	N/A	N/A	Pass
Blue	E	FITC	129	47.74	645	9	0.0262	0	Pass
Blue	D	PE	213	52.73	617	31	0.0739	70	Pass
Blue	C	PE-Texas Red	247	53.37	728	7	0.0073	44	Pass
Blue	B	PerCP-Cy5-5	382	81.18	867	29	0.0034	48	Pass
Blue	A	PE-Cy7	174	145.44	823	11	0.0069	22	Pass
Red	B	APC	585	30.48	710	4	0.0207	39	Pass
Red	A	APC-Cy7	343	45.27	699	14	0.0021	503	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	-50.11	-49.57	0.96
Blue	0.00	0.00	1.10

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Cytometer Baseline: 01/07/2015 04:21 PM
P/F: Pass

Window Extension: 2.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 10598

Fluidics

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

Comments