

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: 08/03/2015 10:40 AM
Cytometer Baseline: 07/01/2015 11:09 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads Part #: 910858
Lot ID: 82950 Expiration Date: 03/31/2016
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	125468	0	2.56	125643	2.51
Blue	F	SSC	125000	122660	-2	3.90	123596	3.82
Blue	E	FITC	30300	30557	0	3.58	691	19.95
Blue	D	PE	53768	53342	-1	3.44	1052	21.53
Blue	C	PE-Texas Red	49521	49948	0	4.53	962	29.02
Blue	B	PerCP-Cy5-5	101044	98581	-3	5.94	2047	36.36
Blue	A	PE-Cy7	83046	80349	-4	8.44	1054	63.63
Red	B	APC	107855	105592	-3	3.60	2350	16.73
Red	A	APC-Cy7	92245	89685	-3	4.70	1521	21.78

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	12084	4.36	390	-2	N/A	N/A	Pass
Blue	F	SSC	63132	3.18	406	11	N/A	N/A	Pass
Blue	E	FITC	129	55.11	666	9	0.0176	0	Pass
Blue	D	PE	252	51.22	623	7	0.0618	33	Pass
Blue	C	PE-Texas Red	234	61.78	750	8	0.0052	15	Pass
Blue	B	PerCP-Cy5-5	388	89.04	881	6	0.0031	81	Pass
Blue	A	PE-Cy7	125	206.75	861	14	0.0048	15	Pass
Red	B	APC	644	31.28	731	-4	0.0178	3	Pass
Red	A	APC-Cy7	354	45.14	710	5	0.0017	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	-50.87	-50.04	0.93
Blue	0.00	0.00	1.15

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: 08/03/2015 10:40 AM
Cytometer Baseline: 07/01/2015 11:09 AM
P/F: Pass

Window Extension: 2.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9682

Fluidics

Sheath Pressure: 24.78 Sample Pressure: 23.79
Nozzle Size: 100

Comments