

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: 09/14/2015 11:22 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	124944	-1	2.57	125014	2.59
Blue	F	SSC	125000	122292	-3	3.92	123332	3.88
Blue	E	FITC	30300	30389	0	3.56	694	19.42
Blue	D	PE	53768	53613	-1	3.40	1062	20.74
Blue	C	PE-Texas Red	49521	49853	0	4.62	968	28.21
Blue	B	PerCP-Cy5-5	101044	98277	-3	5.97	1997	36.08
Blue	A	PE-Cy7	83046	81202	-3	8.08	977	62.69
Red	B	APC	107855	106903	-1	3.36	2401	16.32
Red	A	APC-Cy7	92245	90269	-3	3.87	1360	21.71

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	13956	8.16	390	-2	N/A	N/A	Pass
Blue	F	SSC	62051	3.82	405	10	N/A	N/A	Pass
Blue	E	FITC	125	54.41	665	8	0.0183	0	Pass
Blue	D	PE	247	51.72	624	8	0.0684	45	Pass
Blue	C	PE-Texas Red	225	65.05	751	9	0.0058	119	Pass
Blue	B	PerCP-Cy5-5	358	92.57	878	3	0.0032	101	Pass
Blue	A	PE-Cy7	120	199.09	850	3	0.0054	14	Pass
Red	B	APC	654	31.88	732	-3	0.0192	82	Pass
Red	A	APC-Cy7	314	46.75	703	-2	0.0020	102	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	-50.92	-50.39	0.94
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: 09/14/2015 11:22 AM
Cytometer Baseline: 07/01/2015 11:09 AM
P/F: Pass

Window Extension: 2.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 10779

Fluidics

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

Comments