

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: 05/11/2015 01:32 PM
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	124923	-1	2.56	124974	2.60
Blue	F	SSC	125000	122766	-2	4.94	123776	4.95
Blue	E	FITC	29655	29687	0	4.50	687	18.41
Blue	D	PE	44479	44066	-1	4.58	991	20.43
Blue	C	PE-Texas Red	49988	50377	0	5.32	1149	24.37
Blue	B	PerCP-Cy5-5	85836	85458	-1	7.13	3143	28.34
Blue	A	PE-Cy7	72140	71906	-1	8.96	2013	39.39
Red	B	APC	86986	86699	-1	3.41	3175	12.90
Red	A	APC-Cy7	76432	76785	0	4.01	3136	13.53

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	14582	8.04	382	15	N/A	N/A	Pass
Blue	F	SSC	60894	4.61	392	11	N/A	N/A	Pass
Blue	E	FITC	129	50.07	649	13	0.0210	0	Pass
Blue	D	PE	212	54.71	616	30	0.0658	64	Pass
Blue	C	PE-Texas Red	243	57.50	733	12	0.0067	72	Pass
Blue	B	PerCP-Cy5-5	370	85.40	870	32	0.0032	46	Pass
Blue	A	PE-Cy7	175	151.15	826	14	0.0066	27	Pass
Red	B	APC	589	29.60	717	11	0.0215	28	Pass
Red	A	APC-Cy7	343	40.75	685	0	0.0021	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	-50.38	-49.80	0.95
Blue	0.00	0.00	1.14

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Window Extension: 2.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 10456

Fluidics

Sheath Pressure: 24.77 Sample Pressure: 23.79
Nozzle Size: 100

Comments