

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: 03/11/2015 11:07 AM
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	125651	0	2.92	125679	3.01
Blue	F	SSC	125000	122195	-3	4.11	122788	4.21
Blue	E	FITC	29655	29482	-1	3.79	678	17.37
Blue	D	PE	44479	43962	-2	3.70	993	17.05
Blue	C	PE-Texas Red	49988	49565	-1	4.52	1128	23.53
Blue	B	PerCP-Cy5-5	85836	84596	-2	5.63	3150	23.61
Blue	A	PE-Cy7	72140	71086	-2	7.53	1990	37.88
Red	B	APC	86986	85830	-2	3.41	3129	12.68
Red	A	APC-Cy7	76432	76224	-1	3.94	3171	12.78

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	12141	3.35	378	11	N/A	N/A	Pass
Blue	F	SSC	61157	3.51	386	5	N/A	N/A	Pass
Blue	E	FITC	127	48.12	640	4	0.0237	0	Pass
Blue	D	PE	216	46.09	589	3	0.0964	65	Pass
Blue	C	PE-Texas Red	244	53.05	724	3	0.0069	0	Pass
Blue	B	PerCP-Cy5-5	380	72.39	838	0	0.0046	81	Pass
Blue	A	PE-Cy7	170	145.33	817	5	0.0070	22	Pass
Red	B	APC	578	29.22	707	1	0.0225	33	Pass
Red	A	APC-Cy7	348	38.47	676	-9	0.0023	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	-49.84	-49.29	0.94
Blue	0.00	0.00	1.12

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Window Extension: 2.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9931

Fluidics

Sheath Pressure: 24.80 Sample Pressure: 23.79
Nozzle Size: 100

Comments