

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: 06/15/2015 11:16 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	124814	-1	2.56	124889	2.62
Blue	F	SSC	125000	123624	-2	5.35	124629	5.30
Blue	E	FITC	29655	30142	1	4.78	696	18.71
Blue	D	PE	44479	43978	-2	4.74	989	19.17
Blue	C	PE-Texas Red	49988	50859	1	5.84	1156	25.17
Blue	B	PerCP-Cy5-5	85836	84657	-2	7.50	3104	27.98
Blue	A	PE-Cy7	72140	72617	0	9.39	2032	40.53
Red	B	APC	86986	86043	-2	3.85	3147	13.19
Red	A	APC-Cy7	76432	75736	-1	4.51	3092	13.61

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	13814	7.58	385	18	N/A	N/A	Pass
Blue	F	SSC	63019	4.60	396	15	N/A	N/A	Pass
Blue	E	FITC	132	50.49	654	18	0.0205	0	Pass
Blue	D	PE	218	48.13	599	13	0.0726	40	Pass
Blue	C	PE-Texas Red	250	57.54	742	21	0.0062	44	Pass
Blue	B	PerCP-Cy5-5	378	83.76	870	32	0.0034	65	Pass
Blue	A	PE-Cy7	166	161.46	836	24	0.0063	27	Pass
Red	B	APC	594	30.12	718	12	0.0209	45	Pass
Red	A	APC-Cy7	345	41.32	688	3	0.0022	123	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	-50.74	-50.12	0.94
Blue	0.00	0.00	1.14

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Window Extension: 2.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 10423

Fluidics

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

Comments