

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: 06/23/2015 02:06 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	124654	-1	2.71	124778	2.70
Blue	F	SSC	125000	121849	-3	4.24	122795	4.41
Blue	E	FITC	29655	29836	0	4.12	691	18.71
Blue	D	PE	44479	43863	-2	3.98	989	18.28
Blue	C	PE-Texas Red	49988	50387	0	5.09	1143	25.24
Blue	B	PerCP-Cy5-5	85836	84508	-2	6.44	3134	26.47
Blue	A	PE-Cy7	72140	72267	0	8.43	2013	40.71
Red	B	APC	86986	86567	-1	3.31	3172	13.33
Red	A	APC-Cy7	76432	76085	-1	3.80	3129	13.83

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	14080	8.58	383	16	N/A	N/A	Pass
Blue	F	SSC	61417	4.15	396	15	N/A	N/A	Pass
Blue	E	FITC	132	51.51	656	20	0.0203	0	Pass
Blue	D	PE	217	48.91	600	14	0.0834	67	Pass
Blue	C	PE-Texas Red	248	57.43	745	24	0.0061	30	Pass
Blue	B	PerCP-Cy5-5	381	80.87	864	26	0.0037	85	Pass
Blue	A	PE-Cy7	161	162.67	838	26	0.0061	23	Pass
Red	B	APC	594	29.98	720	14	0.0196	0	Pass
Red	A	APC-Cy7	345	41.50	689	4	0.0020	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	-50.85	-50.35	0.94
Blue	0.00	0.00	1.12

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Window Extension: 2.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9613

Fluidics

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

Comments