

Cytometer Performance Report

Cytometer: FACSriaII
 Cytometer Name: FACSriaII
 Serial Number: PO249
 Input Device: Manual
 Cytometer Configuration: 100 microns Standard

User: Administrator
 Institution: N/A
 Software: BD FACSDiva 6.1.3
 Date: 11/25/2014 09:54 AM
 Cytometer Baseline: 10/28/2014 01:52 PM
 P/F: Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
 Lot ID: 91725, Expiration Date: 04/30/2016
 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	124312	-1	1.83	124196	1.82
Blue	F	SSC	125000	124348	-1	5.60	124897	5.47
Blue	E	FITC	40335	40465	0	2.81	2010	9.63
Blue	D	PE	43651	43163	-2	2.95	1777	12.29
Blue	C	PE-Texas Red	43529	43496	-1	4.08	1732	18.31
Blue	B	PerCP-Cy5-5	113477	112801	-1	4.54	3975	22.02
Blue	A	PE-Cy7	122905	121134	-2	5.63	2305	37.00
Red	B	APC	126160	123680	-2	3.30	7219	8.82
Red	A	APC-Cy7	160729	158690	-2	3.09	4873	11.66

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead %Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17681	6.67	414	1	N/A	N/A	Pass
Blue	F	SSC	66560	4.44	380	4	N/A	N/A	Pass
Blue	E	FITC	232	34.62	640	3	0.0219	98	Pass
Blue	D	PE	357	32.31	583	2	0.0746	55	Pass
Blue	C	PE-Texas Red	368	42.52	701	0	0.0055	30	Pass
Blue	B	PerCP-Cy5-5	444	70.42	822	-1	0.0035	87	Pass
Blue	A	PE-Cy7	111	192.74	801	-2	0.0058	17	Pass
Red	B	APC	507	33.58	684	-5	0.0171	0	Pass
Red	A	APC-Cy7	278	51.48	668	-5	0.0017	152	Pass

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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	-33.11	-32.68	1.29
Blue	0.00	0.00	1.39

Window Extension: 2.00
FSC Area Scaling Factor: 1.10

Threshold

Threshold (FSC): 10799

Fluidics

Sheath Pressure: 24.80 Sample Pressure: 23.65
Nozzle Size: 100

Comments