

Cytometer Performance Report

Cytometer: FACSriaII
 Cytometer Name: FACSriaII
 Serial Number: 1
 Input Device: Manual
 Cytometer Configuration: 100 microns 25PSI standard

User: Administrator
 Institution: N/A
 Software: BD FACSDiva 8.0.1
 Date: 09/05/2016 10:42 AM
 Cytometer Baseline: 07/05/2016 09:47 AM
 P/F: Pass

Setup Beads

Bead Product: CST Setup Beads Part #: 910858
 Lot ID: 77840 Expiration Date: 04/30/2017
 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	126640	1	6.34	127837	7.98
Blue	C	SSC	125000	123328	-2	4.51	125176	4.81
Blue	B	Alexa Fluor 488	24248	24051	-1	4.00	569	16.76
Blue	A	PerCP	33887	34381	1	5.30	931	22.44
Red	C	Alexa Fluor 647	25051	24889	-1	4.94	677	22.11
Red	B	APC-Alexa 700	81413	80979	-1	3.69	2175	10.33
Red	A	APC-Cy7	71355	71502	0	4.61	1748	17.66
561 Yellow-Green	E	DsRed	88389	88589	0	2.56	2338	8.97
561 Yellow-Green	D	PE-Texas Red	74661	74197	-1	3.09	1780	14.17
561 Yellow-Green	C	7-AAD	84478	84249	-1	3.27	2433	14.59
561 Yellow-Green	B	PE-Cy5-5	76749	76517	-1	3.54	2183	14.92
561 Yellow-Green	A	PE-Cy7	18983	18388	-4	3.64	431	15.98

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18264	5.41	336	1	N/A	N/A	Pass
Blue	C	SSC	63938	3.37	366	7	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	95	53.44	585	1	0.0264	0	Pass
Blue	A	PerCP	143	63.21	634	0	0.0041	257	Pass
Red	C	Alexa Fluor 647	126	53.04	600	-3	0.0071	85	Pass
Red	B	APC-Alexa 700	460	21.23	621	-1	0.0056	0	Pass
Red	A	APC-Cy7	376	38.59	676	-1	0.0022	126	Pass
561 Yellow-Green	E	DsRed	520	19.45	657	-4	0.3541	0	Pass
561 Yellow-Green	D	PE-Texas Red	355	34.28	641	-4	0.0286	49	Pass
561 Yellow-Green	C	7-AAD	456	36.34	731	-6	0.0304	60	Pass

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561 Yellow-Green	B	PE-Cy5-5	425	37.24	699	36	0.0153	208	Pass
561 Yellow-Green	A	PE-Cy7	92	33.48	476	-5	0.0200	0	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
561 Yellow-Green 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	-72.56	-72.20	1.03
561 Yellow-Green	-37.59	-37.31	0.99
Blue	0.00	0.00	1.11

Window Extension: 2.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 10988

Fluidics

Sheath Pressure: 24.83 Sample Pressure: 23.79
Nozzle Size: 100

Comments