

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: 05/02/2016 11:28 AM
 Cytometer Baseline: 04/26/2016 09:22 AM
 P/F: Pass

Setup Beads

Bead Product: CST Setup Beads Part #: 910858
 Lot ID: 82950 Expiration Date: 03/31/2016 (Expired)
 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	124349	-1	1.70	124488	1.68
Blue	C	SSC	125000	124027	-1	2.77	125046	2.67
Blue	B	Alexa Fluor 488	23483	23068	-2	2.63	532	16.68
Blue	A	PerCP	29631	29689	0	4.29	579	25.14
Red	C	Alexa Fluor 647	23800	23742	-1	4.02	465	25.91
Red	B	APC-Alexa 700	89291	89424	0	2.56	1576	11.13
Red	A	APC-Cy7	79063	78938	-1	3.38	1235	20.12
561 Yellow-Green	E	DsRed	89499	89825	0	1.87	1977	9.18
561 Yellow-Green	D	PE-Texas Red	76034	75774	-1	2.42	1495	15.40
561 Yellow-Green	C	7-AAD	86998	85975	-2	2.69	1812	16.28
561 Yellow-Green	B	PE-Cy5-5	84542	84644	0	2.51	1645	13.72
561 Yellow-Green	A	PE-Cy7	21961	21324	-3	2.98	323	17.79

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	14001	3.41	328	-6	N/A	N/A	Pass
Blue	C	SSC	68366	3.72	363	2	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	102	47.25	577	-2	0.0257	0	Pass
Blue	A	PerCP	115	62.50	614	0	0.0045	243	Pass
Red	C	Alexa Fluor 647	123	51.89	595	-1	0.0074	64	Pass
Red	B	APC-Alexa 700	385	22.54	617	1	0.0061	0	Pass
Red	A	APC-Cy7	295	42.36	673	2	0.0022	55	Pass
561 Yellow-Green	E	DsRed	577	17.38	654	-2	0.3971	0	Pass
561 Yellow-Green	D	PE-Texas Red	413	30.72	642	-2	0.0274	8	Pass
561 Yellow-Green	C	7-AAD	443	35.24	721	-4	0.0317	55	Pass

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561 Yellow-Green	B	PE-Cy5-5	389	31.47	655	-1	0.0249	208	Pass
561 Yellow-Green	A	PE-Cy7	77	36.11	477	-1	0.0211	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	-72.79	-71.95	1.03
561 Yellow-Green	-38.08	-37.23	1.00
Blue	0.00	0.00	1.13

Window Extension: 2.00
FSC Area Scaling Factor: 0.86

Threshold

Threshold (FSC): 12384

Fluidics

Sheath Pressure: 24.76 Sample Pressure: 23.71
Nozzle Size: 100

Comments