

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: 02/03/2020 11:28 AM
 Cytometer Baseline: 01/06/2020 04:02 PM
 P/F: Pass

Setup Beads

Bead Product: CST Setup Beads Part #: 910858
 Lot ID: 83326 Expiration Date: 11/30/2020
 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	124810	-1	2.26	124805	2.35
Blue	C	SSC	125000	123904	-1	3.85	124670	3.97
Blue	B	Alexa Fluor 488	29683	29721	0	3.69	734	18.74
Blue	A	PerCP	28186	28575	1	5.89	853	29.16
Red	C	Alexa Fluor 647	20935	20471	-3	3.95	582	19.51
Red	B	APC-Alexa 700	64225	63474	-2	3.89	1965	8.94
Red	A	APC-Cy7	56829	56767	-1	4.74	1594	15.77
561 Yellow-Green	E	DsRed	99854	99259	-1	1.71	2432	7.78
561 Yellow-Green	D	PE-Texas Red	76183	75811	-1	2.16	1688	12.78
561 Yellow-Green	C	7-AAD	75562	75269	-1	2.85	2312	13.80
561 Yellow-Green	B	PE-Cy5-5	59959	59193	-2	3.68	1935	11.61
561 Yellow-Green	A	PE-Cy7	13836	13076	-6	5.00	349	15.21

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16219	4.98	419	-4	N/A	N/A	Pass
Blue	C	SSC	57026	3.83	374	10	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	119	57.82	640	6	0.0194	0	Pass
Blue	A	PerCP	129	88.41	675	10	0.0029	361	Pass
Red	C	Alexa Fluor 647	111	46.25	572	-7	0.0104	69	Pass
Red	B	APC-Alexa 700	479	18.33	598	-4	0.0114	680	Pass
Red	A	APC-Cy7	393	33.12	649	-7	0.0034	311	Pass
561 Yellow-Green	E	DsRed	532	17.77	645	-2	0.5369	0	Pass
561 Yellow-Green	D	PE-Texas Red	347	29.31	614	-2	0.0366	0	Pass
561 Yellow-Green	C	7-AAD	473	32.77	720	-3	0.0360	4	Pass

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561 Yellow-Green	B	PE-Cy5-5	432	27.33	641	-5	0.0323	212	Pass
561 Yellow-Green	A	PE-Cy7	86	32.38	459	-8	0.0287	52	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	-72.82	-72.33	1.02
561 Yellow-Green	-37.84	-37.27	1.00
Blue	0.00	0.00	1.19

Window Extension: 2.00
FSC Area Scaling Factor: 1.05

Threshold

Threshold (FSC): 9845

Fluidics

Sheath Pressure: 24.77 Sample Pressure: 23.80
Nozzle Size: 100

Comments