

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: 01/13/2020 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	123874	-1	1.57	123960	1.54
Blue	C	SSC	125000	121723	-3	2.70	122411	2.70
Blue	B	Alexa Fluor 488	29683	30705	3	2.82	762	17.51
Blue	A	PerCP	28186	27965	-1	5.47	871	27.66
Red	C	Alexa Fluor 647	20935	20646	-2	3.48	589	19.35
Red	B	APC-Alexa 700	64225	62900	-3	4.47	2074	9.03
Red	A	APC-Cy7	56829	55503	-3	6.02	1712	16.19
561 Yellow-Green	E	DsRed	99854	98932	-1	1.34	2382	7.78
561 Yellow-Green	D	PE-Texas Red	76183	76118	-1	1.86	1691	12.38
561 Yellow-Green	C	7-AAD	75562	74668	-2	2.67	2330	13.51
561 Yellow-Green	B	PE-Cy5-5	59959	58896	-2	4.06	2023	11.83
561 Yellow-Green	A	PE-Cy7	13836	12859	-8	6.27	380	15.73

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	11413	5.98	421	-2	N/A	N/A	Pass
Blue	C	SSC	55651	2.85	371	7	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	121	52.75	643	9	0.0213	0	Pass
Blue	A	PerCP	132	81.35	672	7	0.0030	287	Pass
Red	C	Alexa Fluor 647	115	45.41	577	-2	0.0104	69	Pass
Red	B	APC-Alexa 700	510	18.12	602	0	0.0115	1127	Pass
Red	A	APC-Cy7	431	32.51	659	3	0.0030	233	Pass
561 Yellow-Green	E	DsRed	518	17.88	646	-1	0.5331	0	Pass
561 Yellow-Green	D	PE-Texas Red	353	29.23	614	-2	0.0396	10	Pass
561 Yellow-Green	C	7-AAD	478	32.22	722	-1	0.0368	6	Pass

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561 Yellow-Green	B	PE-Cy5-5	459	26.66	645	-1	0.0295	165	Pass
561 Yellow-Green	A	PE-Cy7	95	31.21	466	-1	0.0248	5	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	-72.07	-71.52	1.04
561 Yellow-Green	-37.37	-36.95	1.01
Blue	0.00	0.00	1.17

Window Extension: 2.00
FSC Area Scaling Factor: 1.07

Threshold

Threshold (FSC): 10304

Fluidics

Sheath Pressure: 24.92 Sample Pressure: 23.77
Nozzle Size: 100

Comments