

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: 06/15/2020 11:11 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	123611	-2	2.77	123745	2.78
Blue	C	SSC	125000	122348	-3	4.63	123169	4.56
Blue	B	Alexa Fluor 488	29683	29616	-1	3.77	737	18.15
Blue	A	PerCP	28186	28083	-1	6.05	845	27.76
Red	C	Alexa Fluor 647	20935	20577	-2	4.08	585	19.63
Red	B	APC-Alexa 700	64225	64193	-1	4.22	1995	9.16
Red	A	APC-Cy7	56829	56851	0	5.36	1619	16.23
561 Yellow-Green	E	DsRed	99854	99967	0	1.70	2445	7.74
561 Yellow-Green	D	PE-Texas Red	76183	75745	-1	2.16	1687	12.44
561 Yellow-Green	C	7-AAD	75562	74595	-2	2.92	2293	13.09
561 Yellow-Green	B	PE-Cy5-5	59959	59446	-1	3.70	1964	11.74
561 Yellow-Green	A	PE-Cy7	13836	13174	-5	4.70	359	14.78

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16509	7.16	418	-5	N/A	N/A	Pass
Blue	C	SSC	55748	4.93	373	9	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	118	55.78	637	3	0.0205	0	Pass
Blue	A	PerCP	126	85.11	668	3	0.0032	375	Pass
Red	C	Alexa Fluor 647	110	46.67	572	-7	0.0103	61	Pass
Red	B	APC-Alexa 700	487	18.61	597	-5	0.0111	780	Pass
Red	A	APC-Cy7	403	32.95	650	-6	0.0032	110	Pass
561 Yellow-Green	E	DsRed	530	17.28	640	-7	0.5329	0	Pass
561 Yellow-Green	D	PE-Texas Red	346	29.05	608	-8	0.0389	0	Pass
561 Yellow-Green	C	7-AAD	473	31.52	712	-11	0.0404	16	Pass

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561 Yellow-Green	B	PE-Cy5-5	441	26.44	634	-12	0.0301	116	Pass
561 Yellow-Green	A	PE-Cy7	89	29.65	456	-11	0.0281	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	-73.01	-72.34	1.02
561 Yellow-Green	-37.94	-37.27	1.00
Blue	0.00	0.00	1.17

Window Extension: 2.00
FSC Area Scaling Factor: 1.03

Threshold

Threshold (FSC): 9616

Fluidics

Sheath Pressure: 24.75 Sample Pressure: 23.73
Nozzle Size: 100

Comments