

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: 08/12/2020 10:47 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	123599	-2	2.78	123675	2.73
Blue	C	SSC	125000	123263	-2	4.70	124120	4.59
Blue	B	Alexa Fluor 488	29683	29473	-1	3.83	732	19.97
Blue	A	PerCP	28186	28482	1	6.10	851	30.32
Red	C	Alexa Fluor 647	20935	20685	-2	4.17	587	19.89
Red	B	APC-Alexa 700	64225	63744	-1	4.09	1997	9.33
Red	A	APC-Cy7	56829	57065	0	5.27	1642	16.38
561 Yellow-Green	E	DsRed	99854	99774	-1	1.53	2445	7.80
561 Yellow-Green	D	PE-Texas Red	76183	75111	-2	2.03	1672	12.88
561 Yellow-Green	C	7-AAD	75562	74495	-2	2.81	2295	13.57
561 Yellow-Green	B	PE-Cy5-5	59959	58439	-3	3.68	1930	11.83
561 Yellow-Green	A	PE-Cy7	13836	12926	-7	5.20	357	15.48

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	15582	9.19	440	17	N/A	N/A	Pass
Blue	C	SSC	56095	5.03	385	21	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	115	61.05	654	20	0.0166	0	Pass
Blue	A	PerCP	125	97.50	687	22	0.0027	474	Pass
Red	C	Alexa Fluor 647	110	48.08	576	-3	0.0101	89	Pass
Red	B	APC-Alexa 700	487	18.49	600	-2	0.0099	209	Pass
Red	A	APC-Cy7	407	33.35	656	0	0.0030	115	Pass
561 Yellow-Green	E	DsRed	529	17.88	647	0	0.5261	0	Pass
561 Yellow-Green	D	PE-Texas Red	342	30.59	614	-2	0.0366	10	Pass
561 Yellow-Green	C	7-AAD	471	33.05	719	-4	0.0377	25	Pass

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561 Yellow-Green	B	PE-Cy5-5	438	26.87	639	-7	0.0298	146	Pass
561 Yellow-Green	A	PE-Cy7	89	30.96	462	-5	0.0258	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	-73.94	-73.08	1.00
561 Yellow-Green	-38.39	-37.54	0.98
Blue	0.00	0.00	1.13

Window Extension: 2.00
FSC Area Scaling Factor: 1.01

Threshold

Threshold (FSC): 9924

Fluidics

Sheath Pressure: 24.79 Sample Pressure: 23.73
Nozzle Size: 100

Comments