

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: 12/02/2019 09:55 AM
Cytometer Baseline: 11/13/2019 09:43 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910858
Lot ID: 72518 **Expiration Date:** 09/30/2019 (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	125367	0	2.54	125385	2.59
Blue	C	SSC	125000	123624	-2	3.55	124609	3.63
Blue	B	Alexa Fluor 488	25980	25740	-1	3.25	642	18.70
Blue	A	PerCP	28221	27857	-2	6.17	799	25.41
Red	C	Alexa Fluor 647	25052	25235	0	5.19	669	19.36
Red	B	APC-Alexa 700	71160	71659	0	6.68	2416	8.70
Red	A	APC-Cy7	63856	63604	-1	8.04	1966	14.42
561 Yellow-Green	E	DsRed	80340	79531	-2	1.97	1942	8.03
561 Yellow-Green	D	PE-Texas Red	59115	58575	-1	2.39	1333	13.03
561 Yellow-Green	C	7-AAD	65703	64900	-2	3.27	2037	12.46
561 Yellow-Green	B	PE-Cy5-5	55719	54984	-2	5.35	1867	10.66
561 Yellow-Green	A	PE-Cy7	18261	17217	-6	7.95	502	13.29

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	10577	11.80	421	2	N/A	N/A	Pass
Blue	C	SSC	58945	4.06	371	1	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	102	56.89	623	-3	0.0186	0	Pass
Blue	A	PerCP	110	79.71	645	-7	0.0034	374	Pass
Red	C	Alexa Fluor 647	110	48.50	581	5	0.0099	58	Pass
Red	B	APC-Alexa 700	345	21.18	589	1	0.0312	7964	Pass
Red	A	APC-Cy7	274	38.87	642	1	0.0040	1076	Pass
561 Yellow-Green	E	DsRed	443	17.40	626	-1	0.4933	0	Pass
561 Yellow-Green	D	PE-Texas Red	282	29.44	592	-1	0.0343	0	Pass
561 Yellow-Green	C	7-AAD	330	33.25	688	-4	0.0407	37	Pass

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561 Yellow-Green	B	PE-Cy5-5	267	31.10	610	-8	0.0370	342	Pass
561 Yellow-Green	A	PE-Cy7	72	35.01	458	-8	0.0385	125	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	-72.70	-72.02	1.03
561 Yellow-Green	-37.79	-37.17	1.00
Blue	0.00	0.00	1.19

Window Extension: 2.00
FSC Area Scaling Factor: 1.05

Threshold

Threshold (FSC): 9515

Fluidics

Sheath Pressure: 24.82 Sample Pressure: 23.77
Nozzle Size: 100

Comments