

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: 09/22/2020 03:50 PM
 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	123867	-1	3.28	123978	3.35
Blue	C	SSC	125000	123377	-2	6.16	124148	6.13
Blue	B	Alexa Fluor 488	29683	29511	-1	4.54	730	19.40
Blue	A	PerCP	28186	28557	1	6.21	862	30.32
Red	C	Alexa Fluor 647	20935	20274	-4	4.60	572	19.32
Red	B	APC-Alexa 700	64225	62790	-3	4.02	2019	9.54
Red	A	APC-Cy7	56829	56561	-1	5.17	1702	16.58
561 Yellow-Green	E	DsRed	99854	99335	-1	1.95	2417	7.95
561 Yellow-Green	D	PE-Texas Red	76183	75779	-1	2.39	1685	12.61
561 Yellow-Green	C	7-AAD	75562	75180	-1	2.74	2322	13.60
561 Yellow-Green	B	PE-Cy5-5	59959	59323	-2	3.23	2008	11.96
561 Yellow-Green	A	PE-Cy7	13836	13018	-6	4.38	378	15.75

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	15380	10.12	441	18	N/A	N/A	Pass
Blue	C	SSC	56589	6.18	379	15	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	116	59.59	646	12	0.0182	0	Pass
Blue	A	PerCP	131	94.58	685	20	0.0027	462	Pass
Red	C	Alexa Fluor 647	110	44.48	566	-13	0.0108	45	Pass
Red	B	APC-Alexa 700	501	18.16	597	-5	0.0086	0	Pass
Red	A	APC-Cy7	431	32.91	654	-2	0.0028	0	Pass
561 Yellow-Green	E	DsRed	530	17.30	637	-10	0.5098	0	Pass
561 Yellow-Green	D	PE-Texas Red	348	29.65	609	-7	0.0386	7	Pass
561 Yellow-Green	C	7-AAD	477	32.64	713	-10	0.0370	13	Pass

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561 Yellow-Green	B	PE-Cy5-5	458	27.62	640	-6	0.0280	184	Pass
561 Yellow-Green	A	PE-Cy7	95	30.57	464	-3	0.0221	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	-73.60	-73.07	1.01
561 Yellow-Green	-38.19	-37.72	0.98
Blue	0.00	0.00	1.14

Window Extension: 2.00
FSC Area Scaling Factor: 1.03

Threshold

Threshold (FSC): 9961

Fluidics

Sheath Pressure: 24.75 Sample Pressure: 23.70
Nozzle Size: 100

Comments