

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: 07/06/2020 10:53 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	124852	-1	2.68	124946	2.71
Blue	C	SSC	125000	121472	-3	5.37	122209	5.35
Blue	B	Alexa Fluor 488	29683	29436	-1	4.18	731	18.79
Blue	A	PerCP	28186	28501	1	6.16	866	29.18
Red	C	Alexa Fluor 647	20935	20787	-1	4.59	588	19.45
Red	B	APC-Alexa 700	64225	63938	-1	4.21	2051	9.35
Red	A	APC-Cy7	56829	57448	1	5.25	1704	16.06
561 Yellow-Green	E	DsRed	99854	98855	-2	1.79	2417	7.70
561 Yellow-Green	D	PE-Texas Red	76183	75129	-2	2.21	1672	12.54
561 Yellow-Green	C	7-AAD	75562	74717	-2	2.77	2311	13.38
561 Yellow-Green	B	PE-Cy5-5	59959	58741	-3	3.41	1975	11.58
561 Yellow-Green	A	PE-Cy7	13836	13013	-6	4.45	370	15.02

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	15951	7.13	429	6	N/A	N/A	Pass
Blue	C	SSC	55667	5.45	378	14	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	115	57.25	644	10	0.0191	0	Pass
Blue	A	PerCP	130	87.14	678	13	0.0028	314	Pass
Red	C	Alexa Fluor 647	112	45.01	573	-6	0.0106	40	Pass
Red	B	APC-Alexa 700	502	18.35	600	-2	0.0097	216	Pass
Red	A	APC-Cy7	426	32.09	654	-2	0.0031	0	Pass
561 Yellow-Green	E	DsRed	522	17.69	641	-6	0.5525	0	Pass
561 Yellow-Green	D	PE-Texas Red	340	28.88	609	-7	0.0381	0	Pass
561 Yellow-Green	C	7-AAD	476	32.30	714	-9	0.0383	18	Pass

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561 Yellow-Green	B	PE-Cy5-5	447	26.51	637	-9	0.0304	158	Pass
561 Yellow-Green	A	PE-Cy7	91	30.29	459	-8	0.0256	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	-73.65	-73.10	1.00
561 Yellow-Green	-38.26	-37.81	0.99
Blue	0.00	0.00	1.14

Window Extension: 2.00
FSC Area Scaling Factor: 1.02

Threshold

Threshold (FSC): 10097

Fluidics

Sheath Pressure: 24.77 Sample Pressure: 23.73
Nozzle Size: 100

Comments