

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: 02/10/2020 11:03 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	123052	-2	1.80	123141	1.81
Blue	C	SSC	125000	122776	-2	4.01	123363	4.06
Blue	B	Alexa Fluor 488	29683	29613	-1	3.63	734	18.74
Blue	A	PerCP	28186	28552	1	5.78	860	29.12
Red	C	Alexa Fluor 647	20935	20770	-1	4.11	593	19.72
Red	B	APC-Alexa 700	64225	63949	-1	3.84	2002	9.26
Red	A	APC-Cy7	56829	56923	0	4.89	1624	16.46
561 Yellow-Green	E	DsRed	99854	100044	0	1.77	2449	7.87
561 Yellow-Green	D	PE-Texas Red	76183	76423	0	2.28	1698	12.75
561 Yellow-Green	C	7-AAD	75562	75513	-1	2.71	2322	13.41
561 Yellow-Green	B	PE-Cy5-5	59959	59280	-2	3.20	1960	11.65
561 Yellow-Green	A	PE-Cy7	13836	13230	-5	4.63	364	15.07

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	15905	4.29	419	-4	N/A	N/A	Pass
Blue	C	SSC	55652	3.98	374	10	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	116	55.98	641	7	0.0187	0	Pass
Blue	A	PerCP	129	87.05	676	11	0.0028	310	Pass
Red	C	Alexa Fluor 647	112	47.17	577	-2	0.0102	80	Pass
Red	B	APC-Alexa 700	491	18.57	602	0	0.0098	301	Pass
Red	A	APC-Cy7	403	33.11	655	-1	0.0030	0	Pass
561 Yellow-Green	E	DsRed	539	17.33	646	-1	0.5144	0	Pass
561 Yellow-Green	D	PE-Texas Red	351	28.72	614	-2	0.0367	0	Pass
561 Yellow-Green	C	7-AAD	477	32.01	719	-4	0.0380	7	Pass

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561 Yellow-Green	B	PE-Cy5-5	443	26.77	640	-6	0.0301	147	Pass
561 Yellow-Green	A	PE-Cy7	91	30.96	461	-6	0.0271	4	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	-72.52	-71.99	1.03
561 Yellow-Green	-37.63	-37.14	1.00
Blue	0.00	0.00	1.19

Window Extension: 2.00
FSC Area Scaling Factor: 1.04

Threshold

Threshold (FSC): 10107

Fluidics

Sheath Pressure: 24.80 Sample Pressure: 23.79
Nozzle Size: 100

Comments