

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: 02/24/2020 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	124745	-1	2.53	124808	2.52
Blue	C	SSC	125000	123579	-2	3.48	124446	3.49
Blue	B	Alexa Fluor 488	29683	29497	-1	3.47	729	17.83
Blue	A	PerCP	28186	28503	1	5.59	852	26.14
Red	C	Alexa Fluor 647	20935	20558	-2	3.92	585	19.73
Red	B	APC-Alexa 700	64225	63791	-1	4.10	1994	9.07
Red	A	APC-Cy7	56829	56365	-1	5.33	1603	16.10
561 Yellow-Green	E	DsRed	99854	99488	-1	1.79	2433	7.74
561 Yellow-Green	D	PE-Texas Red	76183	75624	-1	2.29	1679	12.54
561 Yellow-Green	C	7-AAD	75562	74354	-2	2.90	2283	13.18
561 Yellow-Green	B	PE-Cy5-5	59959	59320	-2	3.66	1951	11.32
561 Yellow-Green	A	PE-Cy7	13836	13037	-6	5.16	357	15.37

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16943	5.79	399	-24	N/A	N/A	Pass
Blue	C	SSC	56976	3.51	365	1	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	119	53.91	623	-11	0.0212	0	Pass
Blue	A	PerCP	134	76.78	658	-7	0.0036	351	Pass
Red	C	Alexa Fluor 647	111	46.25	574	-5	0.0101	48	Pass
Red	B	APC-Alexa 700	489	18.61	599	-3	0.0113	1002	Pass
Red	A	APC-Cy7	398	33.16	652	-4	0.0033	241	Pass
561 Yellow-Green	E	DsRed	531	17.03	643	-4	0.5332	0	Pass
561 Yellow-Green	D	PE-Texas Red	348	28.54	611	-5	0.0382	0	Pass
561 Yellow-Green	C	7-AAD	471	32.11	714	-9	0.0401	25	Pass

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561 Yellow-Green	B	PE-Cy5-5	442	26.83	637	-9	0.0345	260	Pass
561 Yellow-Green	A	PE-Cy7	89	31.65	458	-9	0.0270	16	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	-72.47	-71.94	1.02
561 Yellow-Green	-37.65	-37.16	1.00
Blue	0.00	0.00	1.20

Window Extension: 2.00
FSC Area Scaling Factor: 1.04

Threshold

Threshold (FSC): 11173

Fluidics

Sheath Pressure: 24.81 Sample Pressure: 23.78
Nozzle Size: 100

Comments