

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: 06/22/2020 11:20 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	124025	-1	2.72	124205	2.65
Blue	C	SSC	125000	122484	-3	5.12	123277	5.19
Blue	B	Alexa Fluor 488	29683	29257	-2	4.12	730	19.09
Blue	A	PerCP	28186	28236	0	6.12	839	29.12
Red	C	Alexa Fluor 647	20935	20498	-3	4.53	579	19.28
Red	B	APC-Alexa 700	64225	63290	-2	4.55	1910	9.40
Red	A	APC-Cy7	56829	55884	-2	5.49	1525	16.43
561 Yellow-Green	E	DsRed	99854	99166	-1	1.75	2427	7.60
561 Yellow-Green	D	PE-Texas Red	76183	75403	-2	2.23	1682	12.46
561 Yellow-Green	C	7-AAD	75562	74593	-2	2.78	2279	13.27
561 Yellow-Green	B	PE-Cy5-5	59959	59634	-1	3.34	1922	11.59
561 Yellow-Green	A	PE-Cy7	13836	13345	-4	4.40	349	15.21

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	15798	6.94	424	1	N/A	N/A	Pass
Blue	C	SSC	56401	5.28	375	11	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	116	59.30	640	6	0.0186	0	Pass
Blue	A	PerCP	126	91.13	671	6	0.0030	436	Pass
Red	C	Alexa Fluor 647	110	46.25	568	-11	0.0110	99	Pass
Red	B	APC-Alexa 700	467	18.41	592	-10	0.0108	186	Pass
Red	A	APC-Cy7	378	32.28	641	-15	0.0032	0	Pass
561 Yellow-Green	E	DsRed	531	17.49	639	-8	0.5704	1	Pass
561 Yellow-Green	D	PE-Texas Red	347	29.31	607	-9	0.0392	4	Pass
561 Yellow-Green	C	7-AAD	469	31.41	710	-13	0.0390	0	Pass

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561 Yellow-Green	B	PE-Cy5-5	430	27.11	632	-14	0.0318	174	Pass
561 Yellow-Green	A	PE-Cy7	85	31.03	454	-13	0.0273	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	-72.97	-72.11	1.02
561 Yellow-Green	-37.97	-37.12	1.00
Blue	0.00	0.00	1.16

Window Extension: 2.00
FSC Area Scaling Factor: 1.02

Threshold

Threshold (FSC): 10298

Fluidics

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

Comments