

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: 06/02/2020 02:09 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	123540	-2	2.48	123656	2.42
Blue	C	SSC	125000	121900	-3	6.59	122504	6.58
Blue	B	Alexa Fluor 488	29683	29569	-1	4.97	735	18.47
Blue	A	PerCP	28186	28398	0	6.75	840	28.48
Red	C	Alexa Fluor 647	20935	20586	-2	5.05	584	19.79
Red	B	APC-Alexa 700	64225	63313	-2	5.64	1906	9.53
Red	A	APC-Cy7	56829	56234	-2	6.37	1526	16.42
561 Yellow-Green	E	DsRed	99854	99237	-1	1.76	2435	7.87
561 Yellow-Green	D	PE-Texas Red	76183	75137	-2	2.21	1681	12.54
561 Yellow-Green	C	7-AAD	75562	74774	-2	3.05	2287	13.41
561 Yellow-Green	B	PE-Cy5-5	59959	59256	-2	3.60	1904	11.61
561 Yellow-Green	A	PE-Cy7	13836	12992	-7	4.49	340	15.17

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16262	6.40	423	0	N/A	N/A	Pass
Blue	C	SSC	55841	7.05	375	11	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	117	56.14	640	6	0.0205	0	Pass
Blue	A	PerCP	125	86.26	671	6	0.0031	348	Pass
Red	C	Alexa Fluor 647	112	44.08	571	-8	0.0101	0	Pass
Red	B	APC-Alexa 700	461	18.53	594	-8	0.0136	1030	Pass
Red	A	APC-Cy7	372	33.44	645	-11	0.0034	154	Pass
561 Yellow-Green	E	DsRed	528	17.59	638	-9	0.5151	0	Pass
561 Yellow-Green	D	PE-Texas Red	343	29.65	608	-8	0.0385	3	Pass
561 Yellow-Green	C	7-AAD	467	31.54	710	-13	0.0383	0	Pass

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561 Yellow-Green	B	PE-Cy5-5	425	26.33	632	-14	0.0316	110	Pass
561 Yellow-Green	A	PE-Cy7	82	30.37	452	-15	0.0271	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	-73.05	-72.36	1.01
561 Yellow-Green	-37.92	-37.24	0.99
Blue	0.00	0.00	1.15

Window Extension: 2.00
FSC Area Scaling Factor: 1.01

Threshold

Threshold (FSC): 10229

Fluidics

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

Comments