

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: 01/06/2020 04:08 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	125828	0	2.11	125885	2.09
Blue	C	SSC	125000	123277	-2	3.34	124155	3.29
Blue	B	Alexa Fluor 488	29683	29489	-1	3.45	731	17.67
Blue	A	PerCP	28186	28175	-1	5.94	863	27.45
Red	C	Alexa Fluor 647	20935	20345	-3	3.94	578	20.00
Red	B	APC-Alexa 700	64225	62676	-3	5.35	2023	9.07
Red	A	APC-Cy7	56829	56033	-2	6.61	1668	16.07
561 Yellow-Green	E	DsRed	99854	99520	-1	1.80	2393	7.95
561 Yellow-Green	D	PE-Texas Red	76183	75891	-1	2.26	1687	13.03
561 Yellow-Green	C	7-AAD	75562	75027	-1	3.18	2313	13.88
561 Yellow-Green	B	PE-Cy5-5	59959	59169	-2	4.99	2000	11.96
561 Yellow-Green	A	PE-Cy7	13836	12961	-7	7.29	370	15.63

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	12740	6.49	417	-6	N/A	N/A	Pass
Blue	C	SSC	55138	3.90	367	3	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	116	54.05	633	-1	0.0214	0	Pass
Blue	A	PerCP	129	81.75	665	0	0.0032	307	Pass
Red	C	Alexa Fluor 647	111	47.11	577	-2	0.0098	62	Pass
Red	B	APC-Alexa 700	499	18.22	601	-1	0.0153	2526	Pass
Red	A	APC-Cy7	421	32.21	656	0	0.0034	352	Pass
561 Yellow-Green	E	DsRed	516	17.85	647	0	0.5173	0	Pass
561 Yellow-Green	D	PE-Texas Red	349	29.31	616	0	0.0351	0	Pass
561 Yellow-Green	C	7-AAD	475	32.69	723	0	0.0358	3	Pass

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561 Yellow-Green	B	PE-Cy5-5	453	27.03	646	0	0.0321	232	Pass
561 Yellow-Green	A	PE-Cy7	93	31.88	464	-3	0.0293	82	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	-72.05	-71.57	1.04
561 Yellow-Green	-37.31	-36.91	1.00
Blue	0.00	0.00	1.21

Window Extension: 2.00
FSC Area Scaling Factor: 1.07

Threshold

Threshold (FSC): 10810

Fluidics

Sheath Pressure: 24.99 Sample Pressure: 23.77
Nozzle Size: 100

Comments