

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: 10/19/2020 10:44 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	98564	-22	1.30	98661	1.30
Blue	C	SSC	125000	101794	-19	2.39	102363	2.29
Blue	B	Alexa Fluor 488	29683	23736	-21	3.07	590	20.89
Blue	A	PerCP	28186	22975	-19	6.14	681	32.86
Red	C	Alexa Fluor 647	20935	20366	-3	3.42	577	19.09
Red	B	APC-Alexa 700	64225	63248	-2	4.04	1952	8.59
Red	A	APC-Cy7	56829	56096	-2	5.52	1582	15.75
561 Yellow-Green	E	DsRed	99854	99695	-1	1.45	2432	7.16
561 Yellow-Green	D	PE-Texas Red	76183	75610	-1	1.86	1679	12.22
561 Yellow-Green	C	7-AAD	75562	74437	-2	2.63	2278	13.22
561 Yellow-Green	B	PE-Cy5-5	59959	58060	-4	3.81	1896	11.29
561 Yellow-Green	A	PE-Cy7	13836	12834	-8	5.56	348	15.25

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	11451	4.39	433	10	N/A	N/A	Pass
Blue	C	SSC	45722	2.14	377	13	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	93	63.01	640	6	0.0147	0	Pass
Blue	A	PerCP	99	104.65	679	14	0.0023	404	Pass
Red	C	Alexa Fluor 647	111	43.53	568	-11	0.0106	10	Pass
Red	B	APC-Alexa 700	483	17.79	593	-9	0.0139	1372	Pass
Red	A	APC-Cy7	395	31.33	646	-10	0.0034	0	Pass
561 Yellow-Green	E	DsRed	529	16.44	637	-10	0.6314	0	Pass
561 Yellow-Green	D	PE-Texas Red	346	27.69	606	-10	0.0395	0	Pass
561 Yellow-Green	C	7-AAD	476	31.02	709	-14	0.0389	0	Pass

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561 Yellow-Green	B	PE-Cy5-5	429	25.80	634	-12	0.0343	162	Pass
561 Yellow-Green	A	PE-Cy7	85	31.03	456	-11	0.0280	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	-73.30	-72.94	1.02
561 Yellow-Green	-38.08	-37.67	1.00
Blue	0.00	0.00	1.17

Window Extension: 2.00
FSC Area Scaling Factor: 1.05

Threshold

Threshold (FSC): 10689

Fluidics

Sheath Pressure: 24.83 Sample Pressure: 23.71
Nozzle Size: 100

Comments