

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: 06/08/2020 10:39 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	124658	-1	2.41	124815	2.40
Blue	C	SSC	125000	123220	-2	5.36	124023	5.32
Blue	B	Alexa Fluor 488	29683	29593	-1	4.11	732	18.32
Blue	A	PerCP	28186	28024	-1	6.33	834	29.03
Red	C	Alexa Fluor 647	20935	20517	-2	4.08	582	19.21
Red	B	APC-Alexa 700	64225	63287	-2	4.21	1941	9.12
Red	A	APC-Cy7	56829	56139	-2	5.25	1565	16.13
561 Yellow-Green	E	DsRed	99854	99889	0	1.75	2435	7.78
561 Yellow-Green	D	PE-Texas Red	76183	76167	-1	2.21	1693	12.42
561 Yellow-Green	C	7-AAD	75562	74617	-2	2.97	2288	13.27
561 Yellow-Green	B	PE-Cy5-5	59959	59403	-1	3.53	1931	11.58
561 Yellow-Green	A	PE-Cy7	13836	13147	-5	4.53	351	15.16

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16389	6.21	418	-5	N/A	N/A	Pass
Blue	C	SSC	57074	5.57	374	10	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	117	56.34	637	3	0.0205	0	Pass
Blue	A	PerCP	128	84.33	668	3	0.0029	274	Pass
Red	C	Alexa Fluor 647	112	44.48	568	-11	0.0107	42	Pass
Red	B	APC-Alexa 700	479	18.30	591	-11	0.0114	603	Pass
Red	A	APC-Cy7	392	32.73	643	-13	0.0033	102	Pass
561 Yellow-Green	E	DsRed	535	17.15	640	-7	0.5280	0	Pass
561 Yellow-Green	D	PE-Texas Red	351	29.27	609	-7	0.0396	9	Pass
561 Yellow-Green	C	7-AAD	472	31.97	712	-11	0.0396	18	Pass

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561 Yellow-Green	B	PE-Cy5-5	437	27.08	634	-12	0.0323	207	Pass
561 Yellow-Green	A	PE-Cy7	87	30.33	455	-12	0.0268	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	-72.80	-72.11	1.02
561 Yellow-Green	-37.78	-37.16	1.00
Blue	0.00	0.00	1.18

Window Extension: 2.00
FSC Area Scaling Factor: 1.04

Threshold

Threshold (FSC): 10066

Fluidics

Sheath Pressure: 24.78 Sample Pressure: 23.74
Nozzle Size: 100

Comments