

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: 01/20/2020 10:34 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	124053	-1	2.08	124095	2.07
Blue	C	SSC	125000	123363	-2	2.32	124134	2.30
Blue	B	Alexa Fluor 488	29683	29207	-2	2.82	727	17.16
Blue	A	PerCP	28186	28271	0	6.15	843	27.25
Red	C	Alexa Fluor 647	20935	20542	-2	3.50	586	19.45
Red	B	APC-Alexa 700	64225	63293	-2	4.53	1913	8.94
Red	A	APC-Cy7	56829	56522	-1	6.19	1541	16.11
561 Yellow-Green	E	DsRed	99854	99086	-1	1.51	2401	7.76
561 Yellow-Green	D	PE-Texas Red	76183	75949	-1	2.05	1692	12.50
561 Yellow-Green	C	7-AAD	75562	75098	-1	3.39	2307	13.50
561 Yellow-Green	B	PE-Cy5-5	59959	58616	-3	5.87	1892	13.15
561 Yellow-Green	A	PE-Cy7	13836	12923	-7	6.74	337	15.44

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	12057	10.02	412	-11	N/A	N/A	Pass
Blue	C	SSC	56181	2.89	365	1	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	114	53.63	628	-6	0.0225	0	Pass
Blue	A	PerCP	128	79.07	661	-4	0.0033	259	Pass
Red	C	Alexa Fluor 647	111	47.11	575	-4	0.0104	90	Pass
Red	B	APC-Alexa 700	463	18.28	596	-6	0.0134	1042	Pass
Red	A	APC-Cy7	381	32.72	649	-7	0.0036	198	Pass
561 Yellow-Green	E	DsRed	516	17.60	648	1	0.5320	0	Pass
561 Yellow-Green	D	PE-Texas Red	349	29.40	616	0	0.0387	3	Pass
561 Yellow-Green	C	7-AAD	467	31.88	722	-1	0.0382	0	Pass

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561 Yellow-Green	B	PE-Cy5-5	425	29.79	660	14	0.0289	249	Pass
561 Yellow-Green	A	PE-Cy7	82	32.54	459	-8	0.0319	70	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	-72.26	-71.69	1.04
561 Yellow-Green	-37.50	-37.15	1.01
Blue	0.00	0.00	1.22

Window Extension: 2.00
FSC Area Scaling Factor: 1.08

Threshold

Threshold (FSC): 9530

Fluidics

Sheath Pressure: 24.88 Sample Pressure: 23.77
Nozzle Size: 100

Comments