

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: 08/20/2018 11:55 AM
 Cytometer Baseline: 07/23/2018 03:46 PM
 P/F: Pass

Setup Beads

Bead Product: CST Setup Beads Part #: 910858
 Lot ID: 72518 Expiration Date: 09/30/2019
 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	126427	1	2.82	126493	2.80
Blue	C	SSC	125000	125154	0	4.16	126361	4.19
Blue	B	Alexa Fluor 488	29033	29135	0	3.68	728	15.40
Blue	A	PerCP	32923	33319	1	5.12	961	20.42
Red	C	Alexa Fluor 647	23888	23506	-2	3.57	624	18.53
Red	B	APC-Alexa 700	79008	78304	-1	3.09	2590	8.20
Red	A	APC-Cy7	69641	69057	-1	4.00	2083	13.62
561 Yellow-Green	E	DsRed	90846	90569	-1	1.74	2270	7.42
561 Yellow-Green	D	PE-Texas Red	78468	77791	-1	2.10	1781	11.88
561 Yellow-Green	C	7-AAD	78834	78449	-1	2.37	2464	12.16
561 Yellow-Green	B	PE-Cy5-5	68459	67978	-1	2.88	2300	11.62
561 Yellow-Green	A	PE-Cy7	18684	17943	-4	3.31	511	12.98

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17610	3.37	323	23	N/A	N/A	Pass
Blue	C	SSC	60297	3.40	344	11	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	117	46.42	587	10	0.0288	0	Pass
Blue	A	PerCP	141	58.07	623	7	0.0052	236	Pass
Red	C	Alexa Fluor 647	105	46.42	562	-3	0.0104	61	Pass
Red	B	APC-Alexa 700	374	20.76	584	-8	0.0092	0	Pass
Red	A	APC-Cy7	295	38.14	639	-7	0.0033	347	Pass
561 Yellow-Green	E	DsRed	519	16.04	625	0	0.5588	0	Pass
561 Yellow-Green	D	PE-Texas Red	372	26.92	603	-4	0.0406	0	Pass
561 Yellow-Green	C	7-AAD	397	33.38	692	-7	0.0416	48	Pass

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561 Yellow-Green	B	PE-Cy5-5	329	35.66	652	-10	0.0234	232	Pass
561 Yellow-Green	A	PE-Cy7	75	32.95	453	-9	0.0260	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	-69.31	-68.48	1.07
561 Yellow-Green	-36.17	-35.24	1.04
Blue	0.00	0.00	1.18

Window Extension: 2.00
FSC Area Scaling Factor: 0.96

Threshold

Threshold (FSC): 11522

Fluidics

Sheath Pressure: 24.73 Sample Pressure: 23.77
Nozzle Size: 100

Comments