

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: 07/30/2018 11:23 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	124953	-1	1.92	125049	1.93
Blue	C	SSC	125000	123827	-1	2.94	124913	2.97
Blue	B	Alexa Fluor 488	29033	28704	-2	2.75	714	14.20
Blue	A	PerCP	32923	32564	-2	4.76	934	19.50
Red	C	Alexa Fluor 647	23888	23494	-2	3.77	623	18.28
Red	B	APC-Alexa 700	79008	78090	-2	4.87	2583	8.16
Red	A	APC-Cy7	69641	68755	-2	5.77	2073	13.71
561 Yellow-Green	E	DsRed	90846	89690	-2	1.73	2243	7.51
561 Yellow-Green	D	PE-Texas Red	78468	77840	-1	2.24	1782	11.94
561 Yellow-Green	C	7-AAD	78834	77652	-2	2.84	2441	12.17
561 Yellow-Green	B	PE-Cy5-5	68459	67879	-1	4.05	2280	11.82
561 Yellow-Green	A	PE-Cy7	18684	17799	-5	4.96	503	13.09

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17840	3.51	315	15	N/A	N/A	Pass
Blue	C	SSC	58633	2.90	339	6	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	113	45.39	579	2	0.0347	0	Pass
Blue	A	PerCP	135	55.76	613	-3	0.0057	220	Pass
Red	C	Alexa Fluor 647	103	46.90	563	-2	0.0108	81	Pass
Red	B	APC-Alexa 700	364	20.57	587	-5	0.0149	1459	Pass
Red	A	APC-Cy7	285	37.75	642	-4	0.0036	419	Pass
561 Yellow-Green	E	DsRed	509	15.94	626	1	0.5363	0	Pass
561 Yellow-Green	D	PE-Texas Red	375	27.29	606	-1	0.0407	0	Pass
561 Yellow-Green	C	7-AAD	393	32.69	693	-6	0.0419	34	Pass

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561 Yellow-Green	B	PE-Cy5-5	331	35.10	655	-7	0.0244	240	Pass
561 Yellow-Green	A	PE-Cy7	72	33.89	454	-8	0.0287	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	-69.94	-69.07	1.05
561 Yellow-Green	-36.33	-35.61	1.03
Blue	0.00	0.00	1.16

Window Extension: 2.00
FSC Area Scaling Factor: 0.94

Threshold

Threshold (FSC): 13066

Fluidics

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

Comments