

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: 08/06/2018 11:26 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	124521	-1	1.83	124594	1.82
Blue	C	SSC	125000	121929	-3	3.05	122944	3.11
Blue	B	Alexa Fluor 488	29033	28386	-3	2.8	705	14.39
Blue	A	PerCP	32923	32732	-1	4.79	940	19.58
Red	C	Alexa Fluor 647	23888	23334	-3	3.69	618	18.56
Red	B	APC-Alexa 700	79008	78321	-1	4.82	2604	8.27
Red	A	APC-Cy7	69641	69289	-1	6.13	2104	13.46
561 Yellow-Green	E	DsRed	90846	90756	-1	1.69	2270	7.39
561 Yellow-Green	D	PE-Texas Red	78468	77911	-1	2.17	1784	12.07
561 Yellow-Green	C	7-AAD	78834	78418	-1	2.58	2465	11.92
561 Yellow-Green	B	PE-Cy5-5	68459	68205	-1	3.85	2304	11.69
561 Yellow-Green	A	PE-Cy7	18684	17940	-4	4.99	510	12.66

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17635	3.19	315	15	N/A	N/A	Pass
Blue	C	SSC	57888	2.88	339	6	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	112	44.33	579	2	0.0329	0	Pass
Blue	A	PerCP	137	55.28	615	-1	0.0056	195	Pass
Red	C	Alexa Fluor 647	102	47.38	563	-2	0.0104	74	Pass
Red	B	APC-Alexa 700	370	19.97	587	-5	0.0132	668	Pass
Red	A	APC-Cy7	291	36.66	643	-3	0.0039	504	Pass
561 Yellow-Green	E	DsRed	523	15.88	627	2	0.5606	0	Pass
561 Yellow-Green	D	PE-Texas Red	376	26.96	606	-1	0.0391	0	Pass
561 Yellow-Green	C	7-AAD	399	32.73	694	-5	0.0438	52	Pass

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561 Yellow-Green	B	PE-Cy5-5	336	34.78	655	-7	0.0246	242	Pass
561 Yellow-Green	A	PE-Cy7	73	33.41	455	-7	0.0313	3	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	-69.42	-68.41	1.06
561 Yellow-Green	-36.03	-35.25	1.04
Blue	0.00	0.00	1.16

Window Extension: 2.00
FSC Area Scaling Factor: 0.95

Threshold

Threshold (FSC): 12560

Fluidics

Sheath Pressure: 24.74 Sample Pressure: 23.77
Nozzle Size: 100

Comments