

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: 12/03/2018 11:07 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	124829	-1	1.01	124878	1.01
Blue	C	SSC	125000	122344	-3	1.93	123435	1.87
Blue	B	Alexa Fluor 488	29033	28705	-2	2.14	715	14.7
Blue	A	PerCP	32923	32501	-2	4.29	939	20.67
Red	C	Alexa Fluor 647	23888	23310	-3	2.98	615	18.18
Red	B	APC-Alexa 700	79008	77700	-2	3.9	2601	7.82
Red	A	APC-Cy7	69641	69259	-1	5.54	2134	13.67
561 Yellow-Green	E	DsRed	90846	90007	-1	1.44	2244	7.16
561 Yellow-Green	D	PE-Texas Red	78468	78173	-1	1.9	1783	11.41
561 Yellow-Green	C	7-AAD	78834	78490	-1	2.44	2460	11.94
561 Yellow-Green	B	PE-Cy5-5	68459	67404	-2	3.71	2281	10.87
561 Yellow-Green	A	PE-Cy7	18684	17885	-5	5.5	518	12.7

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17611	1.77	324	24	N/A	N/A	Pass
Blue	C	SSC	59273	1.24	344	11	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	117	45.39	589	12	0.0312	0	Pass
Blue	A	PerCP	137	59.82	625	9	0.0050	238	Pass
Red	C	Alexa Fluor 647	105	46.42	562	-3	0.0109	91	Pass
Red	B	APC-Alexa 700	380	19.88	584	-8	0.0130	951	Pass
Red	A	APC-Cy7	303	36.41	642	-4	0.0035	274	Pass
561 Yellow-Green	E	DsRed	520	15.88	624	-1	0.6047	0	Pass
561 Yellow-Green	D	PE-Texas Red	381	26.45	605	-2	0.0448	6	Pass
561 Yellow-Green	C	7-AAD	403	31.85	694	-5	0.0430	31	Pass

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561 Yellow-Green	B	PE-Cy5-5	334	32.49	640	-22	0.0291	263	Pass
561 Yellow-Green	A	PE-Cy7	75	32.5	455	-7	0.0316	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	-69.88	-69.18	1.06
561 Yellow-Green	-36.38	-35.62	1.03
Blue	0.00	0.00	1.20

Window Extension: 2.00
FSC Area Scaling Factor: 0.97

Threshold

Threshold (FSC): 9712

Fluidics

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

Comments