

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: 11/12/2018 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	124487	-1	1.81	124568	1.82
Blue	C	SSC	125000	122778	-2	2.88	123845	2.90
Blue	B	Alexa Fluor 488	29033	28404	-3	2.80	705	14.95
Blue	A	PerCP	32923	32428	-2	4.57	933	20.73
Red	C	Alexa Fluor 647	23888	23405	-3	3.58	621	18.56
Red	B	APC-Alexa 700	79008	78030	-2	3.56	2608	8.13
Red	A	APC-Cy7	69641	68816	-2	4.35	2113	13.65
561 Yellow-Green	E	DsRed	90846	89892	-2	1.65	2247	7.32
561 Yellow-Green	D	PE-Texas Red	78468	77976	-1	2.10	1779	11.98
561 Yellow-Green	C	7-AAD	78834	77541	-2	2.39	2438	11.87
561 Yellow-Green	B	PE-Cy5-5	68459	67559	-2	2.83	2292	10.96
561 Yellow-Green	A	PE-Cy7	18684	18005	-4	3.54	518	12.62

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17405	2.73	326	26	N/A	N/A	Pass
Blue	C	SSC	56609	2.94	345	12	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	111	47.88	589	12	0.0311	0	Pass
Blue	A	PerCP	131	60.35	624	8	0.0049	207	Pass
Red	C	Alexa Fluor 647	105	47.44	564	-1	0.0105	90	Pass
Red	B	APC-Alexa 700	374	19.99	585	-7	0.0100	0	Pass
Red	A	APC-Cy7	295	37.46	641	-5	0.0032	194	Pass
561 Yellow-Green	E	DsRed	516	15.62	626	1	0.5678	0	Pass
561 Yellow-Green	D	PE-Texas Red	378	26.99	607	0	0.0401	0	Pass
561 Yellow-Green	C	7-AAD	392	32.21	694	-5	0.0435	35	Pass

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561 Yellow-Green	B	PE-Cy5-5	332	32.03	642	-20	0.0261	155	Pass
561 Yellow-Green	A	PE-Cy7	73	35.01	454	-8	0.0285	13	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	-70.36	-69.57	1.05
561 Yellow-Green	-36.68	-35.83	1.03
Blue	0.00	0.00	1.17

Window Extension: 2.00
FSC Area Scaling Factor: 0.96

Threshold

Threshold (FSC): 15002

Fluidics

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

Comments