

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: 11/13/2019 09:48 AM
 Cytometer Baseline: 11/13/2019 09:43 AM
 P/F: Pass

Setup Beads

Bead Product: CST Setup Beads Part #: 910858
 Lot ID: 72518 Expiration Date: 09/30/2019 (Expired)
 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	123255	-2	2.30	123380	2.29
Blue	C	SSC	125000	121535	-3	4.70	122576	4.72
Blue	B	Alexa Fluor 488	25980	25795	-1	3.47	640	19.19
Blue	A	PerCP	28221	28194	-1	5.77	827	26.04
Red	C	Alexa Fluor 647	25052	24577	-2	3.45	653	18.33
Red	B	APC-Alexa 700	71160	69401	-3	6.43	2474	8.07
Red	A	APC-Cy7	63856	62201	-3	8.43	2075	13.69
561 Yellow-Green	E	DsRed	80340	79546	-1	1.91	1939	7.93
561 Yellow-Green	D	PE-Texas Red	59115	58440	-2	2.40	1322	12.87
561 Yellow-Green	C	7-AAD	65703	65475	-1	3.11	2077	12.65
561 Yellow-Green	B	PE-Cy5-5	55719	54070	-3	5.71	1919	10.73
561 Yellow-Green	A	PE-Cy7	18261	17190	-6	9.40	539	13.28

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	10899	6.04	418	-1	N/A	N/A	Pass
Blue	C	SSC	56427	5.21	372	2	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	99	60.73	625	-1	0.0181	0	Pass
Blue	A	PerCP	114	79.59	652	0	0.0031	291	Pass
Red	C	Alexa Fluor 647	108	46.60	575	-1	0.0106	67	Pass
Red	B	APC-Alexa 700	357	20.63	587	-1	0.0910	32843	Pass
Red	A	APC-Cy7	292	37.33	640	-1	0.0048	2011	Pass
561 Yellow-Green	E	DsRed	443	17.18	626	-1	0.5050	0	Pass
561 Yellow-Green	D	PE-Texas Red	283	29.02	592	-1	0.0355	0	Pass
561 Yellow-Green	C	7-AAD	336	33.74	692	0	0.0386	35	Pass

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561 Yellow-Green	B	PE-Cy5-5	279	31.47	616	-2	0.0374	469	Pass
561 Yellow-Green	A	PE-Cy7	76	35.11	463	-3	0.0495	318	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	-72.30	-71.62	1.04
561 Yellow-Green	-37.55	-36.97	1.01
Blue	0.00	0.00	1.20

Window Extension: 2.00
FSC Area Scaling Factor: 1.06

Threshold

Threshold (FSC): 9706

Fluidics

Sheath Pressure: 24.82 Sample Pressure: 23.77
Nozzle Size: 100

Comments