

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: 01/21/2019 11:22 AM
 Cytometer Baseline: 01/07/2019 04:25 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	128391	2	4.70	128612	4.58
Blue	C	SSC	125000	125669	0	4.87	126800	4.75
Blue	B	Alexa Fluor 488	27175	27198	0	4.42	688	15.33
Blue	A	PerCP	34893	35233	0	6.05	1018	21.97
Red	C	Alexa Fluor 647	25689	25337	-2	4.25	673	19.03
Red	B	APC-Alexa 700	82209	82099	-1	3.58	2706	8.32
Red	A	APC-Cy7	72773	72156	-1	4.41	2171	14.04
561 Yellow-Green	E	DsRed	99857	99873	0	2.11	2502	7.35
561 Yellow-Green	D	PE-Texas Red	77376	77059	-1	2.40	1772	12.20
561 Yellow-Green	C	7-AAD	84099	83662	-1	2.60	2619	12.41
561 Yellow-Green	B	PE-Cy5-5	74528	73979	-1	2.95	2497	10.69
561 Yellow-Green	A	PE-Cy7	19231	18432	-5	3.59	527	13.08

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18342	5.44	328	12	N/A	N/A	Pass
Blue	C	SSC	59573	4.07	346	7	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	109	48.31	586	7	0.0306	0	Pass
Blue	A	PerCP	142	62.63	633	7	0.0045	176	Pass
Red	C	Alexa Fluor 647	109	47.04	571	-1	0.0098	20	Pass
Red	B	APC-Alexa 700	384	20.31	592	1	0.0094	0	Pass
Red	A	APC-Cy7	300	36.41	645	-1	0.0030	0	Pass
561 Yellow-Green	E	DsRed	579	15.36	633	0	0.5778	0	Pass
561 Yellow-Green	D	PE-Texas Red	377	26.81	605	-1	0.0383	0	Pass
561 Yellow-Green	C	7-AAD	424	31.82	702	-1	0.0391	0	Pass

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561 Yellow-Green	B	PE-Cy5-5	363	30.41	643	-1	0.0277	116	Pass
561 Yellow-Green	A	PE-Cy7	75	32.50	456	-3	0.0256	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	-70.30	-69.43	1.05
561 Yellow-Green	-36.50	-35.85	1.03
Blue	0.00	0.00	1.23

Window Extension: 2.00
FSC Area Scaling Factor: 1.01

Threshold

Threshold (FSC): 11267

Fluidics

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

Comments