

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: 11/25/2019 10:50 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	125196	0	1.91	125294	1.87
Blue	C	SSC	125000	124116	-1	4.16	125247	4.10
Blue	B	Alexa Fluor 488	25980	25726	-1	3.45	639	18.88
Blue	A	PerCP	28221	27939	-1	6.26	812	25.15
Red	C	Alexa Fluor 647	25052	25230	0	3.83	670	19.51
Red	B	APC-Alexa 700	71160	71725	0	6.51	2474	8.23
Red	A	APC-Cy7	63856	64325	0	8.22	2060	14.41
561 Yellow-Green	E	DsRed	80340	79590	-1	1.75	1949	7.92
561 Yellow-Green	D	PE-Texas Red	59115	58381	-2	2.18	1330	12.66
561 Yellow-Green	C	7-AAD	65703	64934	-2	3.35	2058	12.46
561 Yellow-Green	B	PE-Cy5-5	55719	54997	-2	5.96	1911	10.22
561 Yellow-Green	A	PE-Cy7	18261	17308	-6	8.57	521	13.14

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	10638	5.70	422	3	N/A	N/A	Pass
Blue	C	SSC	58361	4.81	371	1	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	101	55.82	622	-4	0.0181	0	Pass
Blue	A	PerCP	112	78.86	647	-5	0.0034	383	Pass
Red	C	Alexa Fluor 647	112	48.05	583	7	0.0092	27	Pass
Red	B	APC-Alexa 700	360	20.51	592	4	0.0627	19928	Pass
Red	A	APC-Cy7	290	38.12	647	6	0.0039	1115	Pass
561 Yellow-Green	E	DsRed	446	17.70	625	-2	0.5101	1	Pass
561 Yellow-Green	D	PE-Texas Red	283	28.92	590	-3	0.0364	0	Pass
561 Yellow-Green	C	7-AAD	333	33.05	688	-4	0.0404	34	Pass

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561 Yellow-Green	B	PE-Cy5-5	277	30.62	612	-6	0.0491	653	Pass
561 Yellow-Green	A	PE-Cy7	75	33.61	460	-6	0.0432	160	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	-72.39	-71.81	1.04
561 Yellow-Green	-37.58	-37.06	1.01
Blue	0.00	0.00	1.20

Window Extension: 2.00
FSC Area Scaling Factor: 1.06

Threshold

Threshold (FSC): 10018

Fluidics

Sheath Pressure: 24.79 Sample Pressure: 23.77
Nozzle Size: 100

Comments