

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: 02/26/2018 11:23 AM
 Cytometer Baseline: 02/01/2018 10:15 AM
 P/F: Pass

Setup Beads

Bead Product: CST Setup Beads Part #: 910858
 Lot ID: 70106 Expiration Date: 01/31/2018 (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	124394	-1	1.67	124524	1.69
Blue	C	SSC	125000	124379	-1	2.73	125594	2.71
Blue	B	Alexa Fluor 488	28577	27990	-3	2.50	762	13.05
Blue	A	PerCP	46788	46114	-2	5.41	1075	18.16
Red	C	Alexa Fluor 647	30278	29532	-3	3.13	798	16.63
Red	B	APC-Alexa 700	132138	127596	-4	8.04	2896	7.51
Red	A	APC-Cy7	121354	116092	-5	10.45	2318	13.38
561 Yellow-Green	E	DsRed	85861	85557	-1	1.87	2531	7.03
561 Yellow-Green	D	PE-Texas Red	70915	70840	-1	2.21	1929	11.23
561 Yellow-Green	C	7-AAD	98107	97070	-2	3.47	2604	11.24
561 Yellow-Green	B	PE-Cy5-5	113747	109871	-4	6.96	2641	10.14
561 Yellow-Green	A	PE-Cy7	33071	30299	-9	11.80	564	12.88

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17454	3.89	299	-4	N/A	N/A	Pass
Blue	C	SSC	60494	2.08	334	-4	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	112	46.64	568	-6	0.0395	0	Pass
Blue	A	PerCP	159	51.77	609	-3	0.0063	305	Pass
Red	C	Alexa Fluor 647	151	38.12	564	-2	0.0107	18	Pass
Red	B	APC-Alexa 700	509	17.28	595	1	-0.0114	0	Pass
Red	A	APC-Cy7	401	32.28	650	6	0.0102	8751	Pass
561 Yellow-Green	E	DsRed	505	15.93	625	-3	0.5654	0	Pass
561 Yellow-Green	D	PE-Texas Red	356	27.39	603	-4	0.0411	0	Pass
561 Yellow-Green	C	7-AAD	431	29.80	688	-6	0.0431	53	Pass

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561 Yellow-Green	B	PE-Cy5-5	432	27.93	646	-9	0.0656	1380	Pass
561 Yellow-Green	A	PE-Cy7	95	30.96	460	-1	1.0582	15457	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	-69.35	-68.71	1.08
561 Yellow-Green	-35.99	-35.43	1.04
Blue	0.00	0.00	1.27

Window Extension: 2.00
FSC Area Scaling Factor: 0.99

Threshold

Threshold (FSC): 10237

Fluidics

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

Comments