

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: 05/15/2017 11:29 AM
 Cytometer Baseline: 01/23/2017 11:58 AM
 P/F: Pass

Setup Beads

Bead Product: CST Setup Beads Part #: 910858
 Lot ID: 77840 Expiration Date: 04/30/2017 (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	125372	0	1.95	125438	1.96
Blue	C	SSC	125000	122743	-2	3.35	124082	3.39
Blue	B	Alexa Fluor 488	24259	23976	-2	3.07	563	17.03
Blue	A	PerCP	32944	32690	-1	5.29	887	22.94
Red	C	Alexa Fluor 647	25168	24796	-2	4.64	663	22.41
Red	B	APC-Alexa 700	79842	77164	-4	5.97	2130	10.64
Red	A	APC-Cy7	70914	68748	-4	7.62	1738	18.91
561 Yellow-Green	E	DsRed	93811	93985	0	2.82	2425	8.51
561 Yellow-Green	D	PE-Texas Red	71426	71530	0	3.24	1698	14.24
561 Yellow-Green	C	7-AAD	77597	76729	-2	3.54	2207	14.92
561 Yellow-Green	B	PE-Cy5-5	73870	72847	-2	4.96	2114	12.77
561 Yellow-Green	A	PE-Cy7	22072	20551	-7	8.19	498	17.95

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	15619	3.15	335	0	N/A	N/A	Pass
Blue	C	SSC	63686	2.79	364	5	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	97	54.53	589	3	0.0254	24	Pass
Blue	A	PerCP	134	67.95	639	6	0.0040	364	Pass
Red	C	Alexa Fluor 647	123	52.26	600	-3	0.0068	27	Pass
Red	B	APC-Alexa 700	450	21.99	628	6	0.0072	1327	Pass
Red	A	APC-Cy7	374	41.27	689	10	0.0021	605	Pass
561 Yellow-Green	E	DsRed	527	19.18	664	-4	0.4237	1	Pass
561 Yellow-Green	D	PE-Texas Red	339	33.66	636	-3	0.0284	26	Pass
561 Yellow-Green	C	7-AAD	403	38.32	729	-3	0.0297	78	Pass

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561 Yellow-Green	B	PE-Cy5-5	403	32.59	669	4	0.0242	354	Pass
561 Yellow-Green	A	PE-Cy7	104	38.80	498	6	0.0193	62	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	-74.29	-73.50	1.01
561 Yellow-Green	-38.81	-37.81	0.97
Blue	0.00	0.00	1.12

Window Extension: 2.00
FSC Area Scaling Factor: 0.83

Threshold

Threshold (FSC): 10262

Fluidics

Sheath Pressure: 24.79 Sample Pressure: 23.83
Nozzle Size: 100

Comments