

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: 07/09/2018 11:10 AM
 Cytometer Baseline: 06/28/2018 12:14 PM
 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	125211	0	1.73	125338	1.74
Blue	C	SSC	125000	122367	-3	2.83	123536	2.85
Blue	B	Alexa Fluor 488	29033	28658	-2	2.55	786	13.26
Blue	A	PerCP	45621	44804	-2	3.69	1015	18.32
Red	C	Alexa Fluor 647	30264	30331	0	3.43	810	16.52
Red	B	APC-Alexa 700	137013	137959	0	2.62	2969	7.92
Red	A	APC-Cy7	128551	129166	0	3.18	2425	13.41
561 Yellow-Green	E	DsRed	84448	84431	-1	1.70	2537	6.80
561 Yellow-Green	D	PE-Texas Red	71641	71282	-1	2.05	1955	11.02
561 Yellow-Green	C	7-AAD	104415	103423	-1	2.00	2748	10.96
561 Yellow-Green	B	PE-Cy5-5	117111	116079	-1	2.05	2699	11.27
561 Yellow-Green	A	PE-Cy7	33436	32166	-4	2.27	558	12.04

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16907	1.89	313	10	N/A	N/A	Pass
Blue	C	SSC	58591	2.34	339	1	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	116	44.93	581	2	0.0364	0	Pass
Blue	A	PerCP	147	52.95	613	3	0.0060	237	Pass
Red	C	Alexa Fluor 647	154	38.33	569	4	0.0112	54	Pass
Red	B	APC-Alexa 700	513	17.89	599	7	0.0079	0	Pass
Red	A	APC-Cy7	414	32.28	656	10	0.0029	0	Pass
561 Yellow-Green	E	DsRed	513	16.08	622	-5	0.6058	0	Pass
561 Yellow-Green	D	PE-Texas Red	360	26.69	600	-23	0.0420	0	Pass
561 Yellow-Green	C	7-AAD	456	28.78	691	-5	0.0421	18	Pass

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561 Yellow-Green	B	PE-Cy5-5	439	30.97	666	35	0.0217	184	Pass
561 Yellow-Green	A	PE-Cy7	93	29.33	457	-2	0.0282	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	-70.20	-69.39	1.05
561 Yellow-Green	-36.49	-35.74	1.03
Blue	0.00	0.00	1.17

Window Extension: 2.00
FSC Area Scaling Factor: 0.95

Threshold

Threshold (FSC): 11424

Fluidics

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

Comments