

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: 10/21/2019 10:48 AM
Cytometer Baseline: 10/04/2019 09:26 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	124793	-1	1.93	124882	1.92
Blue	C	SSC	125000	123768	-1	3.35	124820	3.32
Blue	B	Alexa Fluor 488	35423	35306	-1	3.02	875	16.93
Blue	A	PerCP	28278	28501	0	5.23	812	25.9
Red	C	Alexa Fluor 647	25225	24819	-2	3.65	655	19
Red	B	APC-Alexa 700	89163	88945	-1	3.65	2965	8.03
Red	A	APC-Cy7	77655	77442	-1	4.66	2360	13.89
561 Yellow-Green	E	DsRed	100624	100165	-1	2.73	2449	8.01
561 Yellow-Green	D	PE-Texas Red	91271	89991	-2	3.04	2053	12.26
561 Yellow-Green	C	7-AAD	81827	81057	-1	3.62	2538	12.42
561 Yellow-Green	B	PE-Cy5-5	81902	81469	-1	3.87	2756	10.38
561 Yellow-Green	A	PE-Cy7	17622	16889	-5	5.18	484	13.59

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	15188	4.05	410	41	N/A	N/A	Pass
Blue	C	SSC	59576	2.73	367	7	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	141	50.63	643	6	0.0230	0	Pass
Blue	A	PerCP	113	80.87	650	0	0.0032	354	Pass
Red	C	Alexa Fluor 647	110	48.05	578	3	0.0100	70	Pass
Red	B	APC-Alexa 700	425	20.67	606	-6	0.0110	596	Pass
Red	A	APC-Cy7	329	38.68	659	-6	0.0032	356	Pass
561 Yellow-Green	E	DsRed	559	16.86	638	-2	0.5238	0	Pass
561 Yellow-Green	D	PE-Texas Red	438	28.01	621	-2	0.0403	10	Pass
561 Yellow-Green	C	7-AAD	415	32.83	703	-8	0.0419	39	Pass

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561 Yellow-Green	B	PE-Cy5-5	403	30.1	643	-15	0.0327	214	Pass
561 Yellow-Green	A	PE-Cy7	70	33.89	456	-14	0.0260	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	-72.11	-71.30	1.02
561 Yellow-Green	-37.49	-36.61	1.01
Blue	0.00	0.00	1.15

Window Extension: 2.00
FSC Area Scaling Factor: 1.01

Threshold

Threshold (FSC): 10355

Fluidics

Sheath Pressure: 24.84 Sample Pressure: 23.77
Nozzle Size: 100

Comments