

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: 07/15/2019 11:33 AM
Cytometer Baseline: 07/08/2019 01:54 PM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads Part #: 910858
Lot ID: 72518 Expiration Date: 09/30/2019
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	124312	-1	1.48	124421	1.46
Blue	C	SSC	125000	123194	-2	2.63	124151	2.66
Blue	B	Alexa Fluor 488	24509	24374	-1	2.83	608	17.89
Blue	A	PerCP	28083	27831	-1	5.15	793	24.42
Red	C	Alexa Fluor 647	27476	27359	-1	3.49	725	18.56
Red	B	APC-Alexa 700	71237	71171	-1	3.86	2366	8.28
Red	A	APC-Cy7	63557	63497	-1	4.85	1941	13.96
561 Yellow-Green	E	DsRed	87567	87322	-1	1.49	2160	7.23
561 Yellow-Green	D	PE-Texas Red	65512	65203	-1	1.98	1488	11.92
561 Yellow-Green	C	7-AAD	69736	69153	-1	2.52	2172	12.08
561 Yellow-Green	B	PE-Cy5-5	63787	63364	-1	3.15	2142	10.05
561 Yellow-Green	A	PE-Cy7	18452	17685	-5	4.17	508	12.53

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16973	3.09	361	-4	N/A	N/A	Pass
Blue	C	SSC	59580	2.00	362	3	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	97	60.01	605	-3	0.0219	61	Pass
Blue	A	PerCP	111	75.67	641	-4	0.0037	354	Pass
Red	C	Alexa Fluor 647	120	46.89	582	1	0.0103	57	Pass
Red	B	APC-Alexa 700	344	21.75	584	1	0.0106	1140	Pass
Red	A	APC-Cy7	274	39.02	639	1	0.0032	500	Pass
561 Yellow-Green	E	DsRed	500	16.68	622	-6	0.6184	7	Pass
561 Yellow-Green	D	PE-Texas Red	319	28.04	590	-6	0.0416	29	Pass
561 Yellow-Green	C	7-AAD	353	33.42	684	-8	0.0428	60	Pass

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561 Yellow-Green	B	PE-Cy5-5	315	31.29	616	-8	0.0345	345	Pass
561 Yellow-Green	A	PE-Cy7	73	35.01	455	-8	0.0305	43	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	-71.82	-71.04	1.03
561 Yellow-Green	-37.42	-36.72	1.02
Blue	0.00	0.00	1.17

Window Extension: 2.00
FSC Area Scaling Factor: 0.96

Threshold

Threshold (FSC): 10254

Fluidics

Sheath Pressure: 24.81 Sample Pressure: 23.77
Nozzle Size: 100

Comments