

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: 03/29/2021 02:34 PM
Cytometer Baseline: 10/26/2020 10:09 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910858
Lot ID: 70757 **Expiration Date:** 03/31/2022
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	125000	0	2.04	124909	2.01
Blue	C	SSC	125000	121917	-3	5.05	122277	4.82
Blue	B	Alexa Fluor 488	27038	26705	-2	3.79	614	17.95
Blue	A	PerCP	20137	19951	-1	5.50	722	22.90
Red	C	Alexa Fluor 647	20177	19794	-2	3.94	672	18.09
Red	B	APC-Alexa 700	53518	52358	-3	4.96	2212	8.75
Red	A	APC-Cy7	50002	49063	-2	6.30	1950	15.01
561 Yellow-Green	E	DsRed	95457	94865	-1	2.84	2429	8.07
561 Yellow-Green	D	PE-Texas Red	82387	82071	-1	3.00	1931	12.45
561 Yellow-Green	C	7-AAD	61828	60991	-2	3.73	2282	13.17
561 Yellow-Green	B	PE-Cy5-5	54739	53591	-3	4.80	2276	11.44
561 Yellow-Green	A	PE-Cy7	10496	9820	-7	6.81	362	14.98

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20843	3.42	352	-7	N/A	N/A	Pass
Blue	C	SSC	59518	3.69	354	1	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	109	55.02	602	1	0.0257	0	Pass
Blue	A	PerCP	91	76.88	624	0	0.0045	355	Pass
Red	C	Alexa Fluor 647	107	46.16	571	-2	0.0105	45	Pass
Red	B	APC-Alexa 700	344	22.68	591	-4	0.0147	1550	Pass
Red	A	APC-Cy7	298	40.71	652	2	0.0038	600	Pass
561 Yellow-Green	E	DsRed	533	17.96	642	2	0.5685	2	Pass
561 Yellow-Green	D	PE-Texas Red	396	29.22	624	3	0.0419	14	Pass
561 Yellow-Green	C	7-AAD	350	37.98	706	1	0.0436	62	Pass

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561 Yellow-Green	B	PE-Cy5-5	348	35.32	647	-2	0.0365	374	Pass
561 Yellow-Green	A	PE-Cy7	58	41.32	460	1	0.0318	112	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	-75.46	-74.90	1.01
561 Yellow-Green	-38.59	-38.06	0.97
Blue	0.00	0.00	1.13

Window Extension: 2.00
FSC Area Scaling Factor: 0.94

Threshold

Threshold (FSC): 11026

Fluidics

Sheath Pressure: 24.79 Sample Pressure: 23.74
Nozzle Size: 100

Comments