

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: 05/11/2020 04:23 PM
 Cytometer Baseline: 01/06/2020 04:02 PM
 P/F: Pass

Setup Beads

Bead Product: CST Setup Beads Part #: 910858
 Lot ID: 83326 Expiration Date: 11/30/2020
 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	125202	0	1.68	125314	1.65
Blue	C	SSC	125000	121022	-4	5.37	121886	5.37
Blue	B	Alexa Fluor 488	29683	29572	-1	4.11	731	19.42
Blue	A	PerCP	28186	28158	-1	6.07	835	30.69
Red	C	Alexa Fluor 647	20935	20432	-3	4.10	576	19.79
Red	B	APC-Alexa 700	64225	62882	-3	3.02	1905	8.94
Red	A	APC-Cy7	56829	55636	-3	3.85	1526	16.24
561 Yellow-Green	E	DsRed	99854	99258	-1	1.53	2433	7.91
561 Yellow-Green	D	PE-Texas Red	76183	75363	-2	2.04	1681	12.76
561 Yellow-Green	C	7-AAD	75562	74645	-2	2.63	2280	13.69
561 Yellow-Green	B	PE-Cy5-5	59959	58999	-2	2.76	1905	11.57
561 Yellow-Green	A	PE-Cy7	13836	12968	-7	3.42	340	15.22

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16145	4.32	435	12	N/A	N/A	Pass
Blue	C	SSC	54976	5.33	381	17	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	116	57.82	652	18	0.0176	0	Pass
Blue	A	PerCP	125	92.84	683	18	0.0026	323	Pass
Red	C	Alexa Fluor 647	109	45.73	569	-10	0.0100	27	Pass
Red	B	APC-Alexa 700	466	17.92	591	-11	0.0099	0	Pass
Red	A	APC-Cy7	378	32.14	642	-14	0.0030	0	Pass
561 Yellow-Green	E	DsRed	527	17.38	642	-5	0.4971	0	Pass
561 Yellow-Green	D	PE-Texas Red	344	29.65	614	-2	0.0367	0	Pass
561 Yellow-Green	C	7-AAD	466	32.70	715	-8	0.0366	5	Pass

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561 Yellow-Green	B	PE-Cy5-5	426	27.43	637	-9	0.0310	179	Pass
561 Yellow-Green	A	PE-Cy7	83	31.77	456	-11	0.0265	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	-72.31	-71.90	1.03
561 Yellow-Green	-37.55	-37.09	1.00
Blue	0.00	0.00	1.17

Window Extension: 2.00
FSC Area Scaling Factor: 1.03

Threshold

Threshold (FSC): 10231

Fluidics

Sheath Pressure: 24.82 Sample Pressure: 23.66
Nozzle Size: 100

Comments