

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: 06/24/2019 10:51 AM
 Cytometer Baseline: 01/07/2019 04:25 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	124206	-1	2.32	124302	2.30
Blue	C	SSC	125000	123926	-1	3.36	125096	3.46
Blue	B	Alexa Fluor 488	27175	26909	-1	3.54	670	17.85
Blue	A	PerCP	34893	34631	-1	5.55	989	24.36
Red	C	Alexa Fluor 647	25689	25287	-2	4.52	666	19.08
Red	B	APC-Alexa 700	82209	81717	-1	5.02	2662	8.69
Red	A	APC-Cy7	72773	72348	-1	5.67	2140	14.24
561 Yellow-Green	E	DsRed	99857	98886	-1	2.18	2443	7.51
561 Yellow-Green	D	PE-Texas Red	77376	76201	-2	2.77	1741	12.26
561 Yellow-Green	C	7-AAD	84099	83755	-1	3.23	2616	12.24
561 Yellow-Green	B	PE-Cy5-5	74528	74011	-1	3.53	2470	10.10
561 Yellow-Green	A	PE-Cy7	19231	18258	-6	3.94	515	13.13

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17040	4.77	364	48	N/A	N/A	Pass
Blue	C	SSC	57961	3.40	362	23	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	104	54.97	614	35	0.0207	0	Pass
Blue	A	PerCP	136	74.76	660	34	0.0037	303	Pass
Red	C	Alexa Fluor 647	110	45.73	574	2	0.0098	0	Pass
Red	B	APC-Alexa 700	378	21.06	593	2	0.0116	613	Pass
Red	A	APC-Cy7	299	37.83	648	2	0.0033	146	Pass
561 Yellow-Green	E	DsRed	557	16.44	636	3	0.5805	0	Pass
561 Yellow-Green	D	PE-Texas Red	365	26.77	606	0	0.0384	0	Pass
561 Yellow-Green	C	7-AAD	415	32.54	706	3	0.0421	24	Pass

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561 Yellow-Green	B	PE-Cy5-5	357	29.48	633	-11	0.0342	190	Pass
561 Yellow-Green	A	PE-Cy7	74	34.53	459	0	0.0268	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	-71.27	-70.48	1.03
561 Yellow-Green	-37.05	-36.33	1.01
Blue	0.00	0.00	1.17

Window Extension: 2.00
FSC Area Scaling Factor: 0.96

Threshold

Threshold (FSC): 12616

Fluidics

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

Comments