

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: 05/27/2019 02:06 PM
 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	123922	-1	2.11	123957	2.10
Blue	C	SSC	125000	121765	-3	2.68	122738	2.75
Blue	B	Alexa Fluor 488	27175	26676	-2	2.94	662	16.74
Blue	A	PerCP	34893	33993	-3	5.20	985	23.41
Red	C	Alexa Fluor 647	25689	25182	-2	3.48	665	18.65
Red	B	APC-Alexa 700	82209	81083	-2	4.00	2759	8.04
Red	A	APC-Cy7	72773	71173	-3	5.07	2243	13.56
561 Yellow-Green	E	DsRed	99857	100035	0	1.84	2456	7.36
561 Yellow-Green	D	PE-Texas Red	77376	76878	-1	2.32	1751	12.04
561 Yellow-Green	C	7-AAD	84099	83336	-1	2.87	2620	11.98
561 Yellow-Green	B	PE-Cy5-5	74528	73242	-2	3.39	2524	10.08
561 Yellow-Green	A	PE-Cy7	19231	18346	-5	4.62	548	13.05

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17028	3.41	345	29	N/A	N/A	Pass
Blue	C	SSC	58172	2.44	354	15	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	106	53.91	600	21	0.0246	0	Pass
Blue	A	PerCP	141	69.69	648	22	0.0039	285	Pass
Red	C	Alexa Fluor 647	112	47.11	572	0	0.0103	65	Pass
Red	B	APC-Alexa 700	400	20.52	592	1	0.0117	992	Pass
Red	A	APC-Cy7	317	37.19	649	3	0.0034	411	Pass
561 Yellow-Green	E	DsRed	562	15.79	634	1	0.5826	0	Pass
561 Yellow-Green	D	PE-Texas Red	371	27.14	605	-1	0.0401	0	Pass
561 Yellow-Green	C	7-AAD	422	32.43	704	1	0.0435	40	Pass

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561 Yellow-Green	B	PE-Cy5-5	369	29.73	633	-11	0.0331	233	Pass
561 Yellow-Green	A	PE-Cy7	79	34.21	461	2	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	-70.85	-70.09	1.05
561 Yellow-Green	-36.77	-36.04	1.02
Blue	0.00	0.00	1.21

Window Extension: 2.00
FSC Area Scaling Factor: 0.98

Threshold

Threshold (FSC): 11173

Fluidics

Sheath Pressure: 24.83 Sample Pressure: 23.77
Nozzle Size: 100

Comments