

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: 03/11/2019 10:39 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	124860	-1	2.16	124901	2.18
Blue	C	SSC	125000	123285	-2	3.31	124310	3.25
Blue	B	Alexa Fluor 488	27175	26916	-1	3.08	672	15.23
Blue	A	PerCP	34893	34689	-1	5.09	995	20.74
Red	C	Alexa Fluor 647	25689	25370	-2	4.11	670	18.71
Red	B	APC-Alexa 700	82209	81392	-1	4.81	2669	8.48
Red	A	APC-Cy7	72773	72664	-1	5.61	2172	14.05
561 Yellow-Green	E	DsRed	99857	99226	-1	1.79	2484	7.12
561 Yellow-Green	D	PE-Texas Red	77376	76430	-2	2.12	1752	12.10
561 Yellow-Green	C	7-AAD	84099	83246	-2	2.66	2611	11.80
561 Yellow-Green	B	PE-Cy5-5	74528	74412	-1	3.32	2501	9.94
561 Yellow-Green	A	PE-Cy7	19231	18459	-5	4.38	519	12.92

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17992	4.08	321	5	N/A	N/A	Pass
Blue	C	SSC	60089	2.73	343	4	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	107	48.31	581	2	0.0299	0	Pass
Blue	A	PerCP	141	62.09	628	2	0.0051	305	Pass
Red	C	Alexa Fluor 647	112	46.67	573	1	0.0103	56	Pass
Red	B	APC-Alexa 700	385	20.49	591	0	0.0121	634	Pass
Red	A	APC-Cy7	304	37.70	649	3	0.0034	234	Pass
561 Yellow-Green	E	DsRed	568	15.82	634	1	0.6253	0	Pass
561 Yellow-Green	D	PE-Texas Red	370	26.77	605	-1	0.0387	0	Pass
561 Yellow-Green	C	7-AAD	421	32.18	700	-3	0.0448	44	Pass

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561 Yellow-Green	B	PE-Cy5-5	362	29.06	631	-13	0.0347	189	Pass
561 Yellow-Green	A	PE-Cy7	74	35.01	457	-2	0.0290	7	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	-70.62	-69.80	1.05
561 Yellow-Green	-36.72	-35.96	1.03
Blue	0.00	0.00	1.21

Window Extension: 2.00
FSC Area Scaling Factor: 0.98

Threshold

Threshold (FSC): 11806

Fluidics

Sheath Pressure: 24.76 Sample Pressure: 23.77
Nozzle Size: 100

Comments