

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: 04/15/2019 11:33 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	124654	-1	1.35	124719	1.36
Blue	C	SSC	125000	123787	-1	2.26	124842	2.22
Blue	B	Alexa Fluor 488	27175	26606	-3	2.45	663	16.14
Blue	A	PerCP	34893	34609	-1	4.47	990	22.36
Red	C	Alexa Fluor 647	25689	25297	-2	3.41	670	17.95
Red	B	APC-Alexa 700	82209	81727	-1	3.06	2727	7.79
Red	A	APC-Cy7	72773	72035	-2	3.99	2207	13.59
561 Yellow-Green	E	DsRed	99857	99930	0	1.52	2492	7.09
561 Yellow-Green	D	PE-Texas Red	77376	77330	-1	1.98	1767	11.81
561 Yellow-Green	C	7-AAD	84099	83423	-1	2.30	2613	11.95
561 Yellow-Green	B	PE-Cy5-5	74528	73775	-2	2.74	2501	9.86
561 Yellow-Green	A	PE-Cy7	19231	18277	-5	3.90	528	12.40

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17456	2.46	339	23	N/A	N/A	Pass
Blue	C	SSC	59529	1.65	351	12	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	106	52.83	594	15	0.0265	0	Pass
Blue	A	PerCP	140	65.75	642	16	0.0042	230	Pass
Red	C	Alexa Fluor 647	113	46.67	572	0	0.0114	122	Pass
Red	B	APC-Alexa 700	397	20.06	589	-2	0.0109	370	Pass
Red	A	APC-Cy7	312	35.94	646	0	0.0032	0	Pass
561 Yellow-Green	E	DsRed	582	15.43	633	0	0.6149	0	Pass
561 Yellow-Green	D	PE-Texas Red	379	26.52	604	-2	0.0411	0	Pass
561 Yellow-Green	C	7-AAD	426	31.08	702	-1	0.0422	7	Pass

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561 Yellow-Green	B	PE-Cy5-5	366	29.07	629	-15	0.0335	190	Pass
561 Yellow-Green	A	PE-Cy7	76	34.06	457	-2	0.0302	16	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	-70.65	-70.05	1.05
561 Yellow-Green	-36.80	-36.21	1.03
Blue	0.00	0.00	1.22

Window Extension: 2.00
FSC Area Scaling Factor: 0.99

Threshold

Threshold (FSC): 12991

Fluidics

Sheath Pressure: 24.86 Sample Pressure: 23.77
Nozzle Size: 100

Comments