

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: 01/14/2019 11:21 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	124940	-1	0.98	125045	0.96
Blue	C	SSC	125000	123325	-2	1.98	124367	1.96
Blue	B	Alexa Fluor 488	27175	26663	-2	2.16	668	14.91
Blue	A	PerCP	34893	34387	-2	4.11	985	20.94
Red	C	Alexa Fluor 647	25689	25682	-1	3.25	684	18.25
Red	B	APC-Alexa 700	82209	81979	-1	2.70	2704	7.73
Red	A	APC-Cy7	72773	72927	0	3.57	2200	13.33
561 Yellow-Green	E	DsRed	99857	99787	-1	1.47	2506	7.09
561 Yellow-Green	D	PE-Texas Red	77376	77150	-1	1.95	1761	11.83
561 Yellow-Green	C	7-AAD	84099	83649	-1	2.25	2622	11.92
561 Yellow-Green	B	PE-Cy5-5	74528	73035	-3	2.55	2452	10.38
561 Yellow-Green	A	PE-Cy7	19231	18310	-5	3.23	520	12.38

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17469	1.85	325	9	N/A	N/A	Pass
Blue	C	SSC	59845	1.37	345	6	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	107	48.86	583	4	0.0312	0	Pass
Blue	A	PerCP	142	60.82	629	3	0.0048	230	Pass
Red	C	Alexa Fluor 647	112	47.11	573	1	0.0107	79	Pass
Red	B	APC-Alexa 700	384	19.90	591	0	0.0105	0	Pass
Red	A	APC-Cy7	303	37.58	647	1	0.0033	219	Pass
561 Yellow-Green	E	DsRed	577	15.38	633	0	0.6022	0	Pass
561 Yellow-Green	D	PE-Texas Red	374	26.21	604	-2	0.0405	0	Pass
561 Yellow-Green	C	7-AAD	418	32.21	701	-2	0.0428	26	Pass

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561 Yellow-Green	B	PE-Cy5-5	357	30.85	640	-4	0.0297	184	Pass
561 Yellow-Green	A	PE-Cy7	74	32.95	455	-4	0.0292	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	-70.14	-69.30	1.05
561 Yellow-Green	-36.47	-35.77	1.03
Blue	0.00	0.00	1.22

Window Extension: 2.00
FSC Area Scaling Factor: 0.99

Threshold

Threshold (FSC): 10017

Fluidics

Sheath Pressure: 24.87 Sample Pressure: 23.77
Nozzle Size: 100

Comments