

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: 08/07/2017 11:52 AM
 Cytometer Baseline: 08/07/2017 11:48 AM
 P/F: Pass

Setup Beads

Bead Product: CST Setup Beads Part #: 910858
 Lot ID: 70106 Expiration Date: 01/31/2018
 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	124481	-1	2.33	124707	2.26
Blue	C	SSC	125000	121547	-3	3.42	122792	3.42
Blue	B	Alexa Fluor 488	27891	27669	-1	3.33	751	15.76
Blue	A	PerCP	36335	35965	-2	5.46	842	21.77
Red	C	Alexa Fluor 647	31178	30943	-1	3.80	830	20.79
Red	B	APC-Alexa 700	151187	146898	-3	6.85	3329	9.00
Red	A	APC-Cy7	132410	129129	-3	8.57	2613	16.05
561 Yellow-Green	E	DsRed	89854	88528	-2	4.34	2575	9.25
561 Yellow-Green	D	PE-Texas Red	78195	77044	-2	4.69	2078	14.03
561 Yellow-Green	C	7-AAD	107664	106066	-2	5.11	2857	14.44
561 Yellow-Green	B	PE-Cy5-5	127783	124480	-3	6.69	3035	12.12
561 Yellow-Green	A	PE-Cy7	37041	34771	-7	9.41	656	15.62

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	14792	2.92	342	-3	N/A	N/A	Pass
Blue	C	SSC	62896	3.09	365	5	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	111	52.42	606	-1	0.0258	0	Pass
Blue	A	PerCP	128	62.43	630	-1	0.0042	331	Pass
Red	C	Alexa Fluor 647	158	48.78	606	0	0.0069	60	Pass
Red	B	APC-Alexa 700	581	20.58	650	-2	0.0205	11348	Pass
Red	A	APC-Cy7	451	39.25	701	-2	0.0027	1692	Pass
561 Yellow-Green	E	DsRed	517	20.34	670	-1	0.4079	2	Pass
561 Yellow-Green	D	PE-Texas Red	380	33.75	653	-1	0.0293	22	Pass
561 Yellow-Green	C	7-AAD	479	36.99	750	-1	0.0271	57	Pass

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561 Yellow-Green	B	PE-Cy5-5	505	31.99	691	-2	0.0272	548	Pass
561 Yellow-Green	A	PE-Cy7	114	37.69	500	-4	0.0259	267	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	-74.14	-73.46	1.02
561 Yellow-Green	-38.61	-38.10	0.97
Blue	0.00	0.00	1.12

Window Extension: 2.00
FSC Area Scaling Factor: 0.86

Threshold

Threshold (FSC): 10669

Fluidics

Sheath Pressure: 24.79 Sample Pressure: 23.83
Nozzle Size: 100

Comments