

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: 10/09/2017 11:37 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	124724	-1	2.40	124843	2.44
Blue	C	SSC	125000	125189	0	3.06	126530	2.99
Blue	B	Alexa Fluor 488	27891	27646	-1	2.85	755	15.27
Blue	A	PerCP	36335	35630	-2	7.01	800	23.39
Red	C	Alexa Fluor 647	31178	30596	-2	4.56	815	20.70
Red	B	APC-Alexa 700	151187	147706	-3	5.93	3121	9.71
Red	A	APC-Cy7	132410	130114	-2	7.13	2384	17.20
561 Yellow-Green	E	DsRed	89854	88991	-1	2.44	2584	8.29
561 Yellow-Green	D	PE-Texas Red	78195	77958	-1	2.94	2123	13.64
561 Yellow-Green	C	7-AAD	107664	106945	-1	3.73	2810	13.65
561 Yellow-Green	B	PE-Cy5-5	127783	125093	-3	5.73	2865	15.51
561 Yellow-Green	A	PE-Cy7	37041	35152	-6	8.74	598	16.45

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	14990	6.46	346	1	N/A	N/A	Pass
Blue	C	SSC	64952	2.59	365	5	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	112	48.93	605	-2	0.0264	0	Pass
Blue	A	PerCP	120	66.51	633	2	0.0039	311	Pass
Red	C	Alexa Fluor 647	154	46.82	604	-2	0.0070	0	Pass
Red	B	APC-Alexa 700	542	21.70	646	-6	0.0081	1822	Pass
Red	A	APC-Cy7	406	42.62	706	3	0.0021	786	Pass
561 Yellow-Green	E	DsRed	510	19.56	667	-4	0.4324	1	Pass
561 Yellow-Green	D	PE-Texas Red	386	33.32	652	-2	0.0284	7	Pass
561 Yellow-Green	C	7-AAD	467	35.29	742	-9	0.0291	34	Pass

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561 Yellow-Green	B	PE-Cy5-5	469	40.38	742	49	0.0127	182	Pass
561 Yellow-Green	A	PE-Cy7	102	38.12	495	-9	0.0215	70	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	-74.56	-73.67	1.02
561 Yellow-Green	-38.87	-37.99	0.98
Blue	0.00	0.00	1.13

Window Extension: 2.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 9704

Fluidics

Sheath Pressure: 24.81 Sample Pressure: 23.75
Nozzle Size: 100

Comments