

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: 09/26/2017 12:05 PM
 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	125021	0	2.11	125127	2.11
Blue	C	SSC	125000	124715	-1	3.05	125874	3.05
Blue	B	Alexa Fluor 488	27891	27683	-1	2.72	752	15.02
Blue	A	PerCP	36335	35788	-2	6.54	815	23.04
Red	C	Alexa Fluor 647	31178	30797	-2	4.46	822	20.65
Red	B	APC-Alexa 700	151187	149050	-2	5.61	3232	9.85
Red	A	APC-Cy7	132410	130034	-2	6.90	2459	17.51
561 Yellow-Green	E	DsRed	89854	88681	-2	2.68	2618	8.46
561 Yellow-Green	D	PE-Texas Red	78195	77502	-1	3.13	2106	14.07
561 Yellow-Green	C	7-AAD	107664	106396	-2	3.90	2822	14.17
561 Yellow-Green	B	PE-Cy5-5	127783	125259	-2	5.86	2917	15.68
561 Yellow-Green	A	PE-Cy7	37041	35542	-5	8.43	622	16.88

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	14455	5.03	346	1	N/A	N/A	Pass
Blue	C	SSC	64393	2.54	365	5	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	111	50.92	606	-1	0.0282	0	Pass
Blue	A	PerCP	122	66.65	634	3	0.0039	344	Pass
Red	C	Alexa Fluor 647	155	47.79	606	0	0.0070	36	Pass
Red	B	APC-Alexa 700	561	21.87	651	-1	0.0068	1182	Pass
Red	A	APC-Cy7	419	42.67	710	7	0.0019	540	Pass
561 Yellow-Green	E	DsRed	527	19.62	668	-3	0.4145	1	Pass
561 Yellow-Green	D	PE-Texas Red	384	33.70	656	2	0.0266	0	Pass
561 Yellow-Green	C	7-AAD	464	36.21	746	-5	0.0266	21	Pass

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561 Yellow-Green	B	PE-Cy5-5	474	40.63	742	49	0.0122	169	Pass
561 Yellow-Green	A	PE-Cy7	105	38.09	500	-4	0.0185	12	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	-74.47	-73.55	1.02
561 Yellow-Green	-38.75	-37.89	0.97
Blue	0.00	0.00	1.12

Window Extension: 2.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 10081

Fluidics

Sheath Pressure: 24.88 Sample Pressure: 23.73
Nozzle Size: 100

Comments