

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: 04/23/2019 10:59 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	125485	0	1.92	125509	1.97
Blue	C	SSC	125000	120814	-4	2.63	121884	2.61
Blue	B	Alexa Fluor 488	27175	26514	-3	2.80	661	16.32
Blue	A	PerCP	34893	34775	-1	4.71	1004	22.74
Red	C	Alexa Fluor 647	25689	25164	-3	3.78	666	18.30
Red	B	APC-Alexa 700	82209	81215	-2	3.70	2757	8.24
Red	A	APC-Cy7	72773	72030	-2	4.61	2263	13.65
561 Yellow-Green	E	DsRed	99857	99016	-1	1.83	2464	7.49
561 Yellow-Green	D	PE-Texas Red	77376	77230	-1	2.18	1763	11.93
561 Yellow-Green	C	7-AAD	84099	83114	-2	2.43	2616	11.92
561 Yellow-Green	B	PE-Cy5-5	74528	73531	-2	2.82	2528	9.94
561 Yellow-Green	A	PE-Cy7	19231	18246	-6	3.83	538	12.64

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17642	3.92	346	30	N/A	N/A	Pass
Blue	C	SSC	57982	2.47	352	13	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	106	53.31	597	18	0.0261	0	Pass
Blue	A	PerCP	146	65.09	647	21	0.0041	212	Pass
Red	C	Alexa Fluor 647	112	46.67	573	1	0.0109	88	Pass
Red	B	APC-Alexa 700	403	20.69	591	0	0.0099	433	Pass
Red	A	APC-Cy7	322	36.47	649	3	0.0032	127	Pass
561 Yellow-Green	E	DsRed	571	16.15	633	0	0.5563	0	Pass
561 Yellow-Green	D	PE-Texas Red	376	27.32	605	-1	0.0410	0	Pass
561 Yellow-Green	C	7-AAD	429	32.40	703	0	0.0435	48	Pass

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561 Yellow-Green	B	PE-Cy5-5	372	29.25	631	-13	0.0327	203	Pass
561 Yellow-Green	A	PE-Cy7	79	32.31	459	0	0.0275	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	-71.05	-70.06	1.04
561 Yellow-Green	-36.96	-36.04	1.02
Blue	0.00	0.00	1.19

Window Extension: 2.00
FSC Area Scaling Factor: 0.98

Threshold

Threshold (FSC): 11615

Fluidics

Sheath Pressure: 24.73 Sample Pressure: 23.77
Nozzle Size: 100

Comments