

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: 10/28/2019 10:19 AM
 Cytometer Baseline: 10/04/2019 09:26 AM
 P/F: Pass

Setup Beads

Bead Product: CST Setup Beads Part #: 910858
 Lot ID: 72518 Expiration Date: 09/30/2019 (Expired)
 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	124539	-1	1.29	124634	1.29
Blue	C	SSC	125000	123500	-2	3.31	124532	3.21
Blue	B	Alexa Fluor 488	35423	35279	-1	2.95	873	16.78
Blue	A	PerCP	28278	28275	-1	5.12	817	26.07
Red	C	Alexa Fluor 647	25225	25164	-1	5.39	663	19.40
Red	B	APC-Alexa 700	89163	89656	0	5.45	3084	8.84
Red	A	APC-Cy7	77655	79255	2	6.16	2533	14.32
561 Yellow-Green	E	DsRed	100624	99140	-2	2.14	2422	7.56
561 Yellow-Green	D	PE-Texas Red	91271	90274	-2	2.42	2057	12.12
561 Yellow-Green	C	7-AAD	81827	80554	-2	3.02	2540	12.36
561 Yellow-Green	B	PE-Cy5-5	81902	79955	-3	3.36	2774	10.28
561 Yellow-Green	A	PE-Cy7	17622	16740	-6	4.51	502	13.45

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	14938	3.31	411	42	N/A	N/A	Pass
Blue	C	SSC	58623	3.39	368	8	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	141	50.63	645	8	0.0236	0	Pass
Blue	A	PerCP	114	84.51	652	2	0.0032	475	Pass
Red	C	Alexa Fluor 647	112	48.97	578	3	0.0101	101	Pass
Red	B	APC-Alexa 700	452	20.65	610	-2	0.0117	1082	Pass
Red	A	APC-Cy7	359	37.49	664	-1	0.0031	280	Pass
561 Yellow-Green	E	DsRed	549	16.66	640	0	0.5762	0	Pass
561 Yellow-Green	D	PE-Texas Red	432	27.78	623	0	0.0400	0	Pass
561 Yellow-Green	C	7-AAD	410	34.04	707	-4	0.0414	59	Pass

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561 Yellow-Green	B	PE-Cy5-5	405	30.39	646	-12	0.0312	225	Pass
561 Yellow-Green	A	PE-Cy7	71	35.50	460	-10	0.0247	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	-71.79	-71.08	1.03
561 Yellow-Green	-37.35	-36.50	1.01
Blue	0.00	0.00	1.15

Window Extension: 2.00
FSC Area Scaling Factor: 1.03

Threshold

Threshold (FSC): 10187

Fluidics

Sheath Pressure: 24.91 Sample Pressure: 23.77
Nozzle Size: 100

Comments