

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: 09/26/2016 11:12 AM
 Cytometer Baseline: 07/05/2016 09:47 AM
 P/F: Pass

Setup Beads

Bead Product: CST Setup Beads Part #: 910858
 Lot ID: 77840 Expiration Date: 04/30/2017
 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	125333	0	2.45	125501	2.43
Blue	C	SSC	125000	122272	-3	3.45	123497	3.56
Blue	B	Alexa Fluor 488	24248	24131	-1	3.47	566	17.51
Blue	A	PerCP	33887	33891	0	5.45	914	22.38
Red	C	Alexa Fluor 647	25051	24706	-2	4.78	669	21.69
Red	B	APC-Alexa 700	81413	80551	-2	6.06	2253	10.22
Red	A	APC-Cy7	71355	69739	-3	7.72	1798	17.72
561 Yellow-Green	E	DsRed	88389	87626	-1	2.64	2227	9.03
561 Yellow-Green	D	PE-Texas Red	74661	74566	-1	3.38	1777	16.47
561 Yellow-Green	C	7-AAD	84478	84274	-1	3.3	2452	14.55
561 Yellow-Green	B	PE-Cy5-5	76749	76593	-1	5.12	2244	14.15
561 Yellow-Green	A	PE-Cy7	18983	17981	-6	8.21	442	15.81

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16646	4.91	338	3	N/A	N/A	Pass
Blue	C	SSC	63336	3.31	367	8	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	96	53.31	588	4	0.0229	0	Pass
Blue	A	PerCP	143	63.54	638	4	0.0043	318	Pass
Red	C	Alexa Fluor 647	126	53.37	600	-3	0.0075	138	Pass
Red	B	APC-Alexa 700	476	21.36	625	3	0.0087	2152	Pass
Red	A	APC-Cy7	382	38.73	680	3	0.0024	687	Pass
561 Yellow-Green	E	DsRed	475	20.52	658	-3	0.3723	0	Pass
561 Yellow-Green	D	PE-Texas Red	353	39.54	670	25	0.0211	47	Pass
561 Yellow-Green	C	7-AAD	458	36.19	735	-2	0.0303	58	Pass

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561 Yellow-Green	B	PE-Cy5-5	435	36.14	695	32	0.0189	367	Pass
561 Yellow-Green	A	PE-Cy7	95	33.63	480	-1	0.0275	109	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	-73.31	-72.17	1.01
561 Yellow-Green	-38.36	-37.38	0.98
Blue	0.00	0.00	1.08

Window Extension: 2.00
FSC Area Scaling Factor: 0.82

Threshold

Threshold (FSC): 9824

Fluidics

Sheath Pressure: 24.79 Sample Pressure: 23.79
Nozzle Size: 100

Comments