

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: 12/12/2016 11:13 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	125092	0	2.66	125224	2.68
Blue	C	SSC	125000	125187	0	3.81	126469	3.90
Blue	B	Alexa Fluor 488	24248	24063	-1	3.54	570	16.60
Blue	A	PerCP	33887	34016	0	4.88	904	21.68
Red	C	Alexa Fluor 647	25051	24834	-1	4.27	675	21.53
Red	B	APC-Alexa 700	81413	80537	-2	2.99	2140	9.98
Red	A	APC-Cy7	71355	70779	-1	3.90	1702	17.71
561 Yellow-Green	E	DsRed	88389	87891	-1	2.75	2279	8.85
561 Yellow-Green	D	PE-Texas Red	74661	74260	-1	3.25	1777	14.34
561 Yellow-Green	C	7-AAD	84478	83949	-1	3.40	2407	14.56
561 Yellow-Green	B	PE-Cy5-5	76749	76739	-1	3.41	2168	12.37
561 Yellow-Green	A	PE-Cy7	18983	18239	-4	3.98	422	16.05

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16668	5.71	336	1	N/A	N/A	Pass
Blue	C	SSC	65168	3.72	363	4	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	96	49.99	586	2	0.0253	0	Pass
Blue	A	PerCP	141	61.19	637	3	0.0045	277	Pass
Red	C	Alexa Fluor 647	124	51.04	598	-5	0.0073	45	Pass
Red	B	APC-Alexa 700	448	20.60	619	-3	0.0057	0	Pass
Red	A	APC-Cy7	360	38.22	675	-2	0.0021	0	Pass
561 Yellow-Green	E	DsRed	493	19.09	662	1	0.3730	0	Pass
561 Yellow-Green	D	PE-Texas Red	353	32.90	642	-3	0.0273	0	Pass
561 Yellow-Green	C	7-AAD	445	35.74	737	0	0.0305	39	Pass

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561 Yellow-Green	B	PE-Cy5-5	416	30.43	664	1	0.0232	167	Pass
561 Yellow-Green	A	PE-Cy7	88	33.32	477	-4	0.0201	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	-72.83	-71.99	1.02
561 Yellow-Green	-38.02	-37.12	0.99
Blue	0.00	0.00	1.12

Window Extension: 2.00
FSC Area Scaling Factor: 0.86

Threshold

Threshold (FSC): 9766

Fluidics

Sheath Pressure: 24.85 Sample Pressure: 23.84
Nozzle Size: 100

Comments