

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: 02/29/2016 11:11 AM
 Cytometer Baseline: 10/19/2015 04:27 PM
 P/F: Pass

Setup Beads

Bead Product: CST Setup Beads Part #: 910858
 Lot ID: 82950 Expiration Date: 03/31/2016
 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	123162	-2	2.35	123290	2.38
Blue	C	SSC	125000	123215	-2	3.12	124179	3.11
Blue	B	Alexa Fluor 488	21893	21723	-1	3.08	495	17.03
Blue	A	PerCP	28999	29028	0	4.75	593	24.25
Red	C	Alexa Fluor 647	24023	23658	-2	4.36	491	25.07
Red	B	APC-Alexa 700	95610	94368	-2	4.00	2111	12.67
Red	A	APC-Cy7	84656	83986	-1	4.95	1494	20.32
561 Yellow-Green	E	DsRed	88087	87556	-1	2.07	1943	9.17
561 Yellow-Green	D	PE-Texas Red	79386	78897	-1	2.54	1581	15.15
561 Yellow-Green	C	7-AAD	82932	82344	-1	2.89	1814	16.43
561 Yellow-Green	B	PE-Cy5-5	83720	83192	-1	3.34	1752	14.09
561 Yellow-Green	A	PE-Cy7	22282	21086	-6	4.22	346	17.69

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	13786	3.93	326	-8	N/A	N/A	Pass
Blue	C	SSC	68172	3.60	361	6	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	97	49.42	571	3	0.0261	2	Pass
Blue	A	PerCP	119	62.35	613	0	0.0048	398	Pass
Red	C	Alexa Fluor 647	138	49.78	594	-7	0.0077	133	Pass
Red	B	APC-Alexa 700	608	22.49	624	6	0.0037	0	Pass
Red	A	APC-Cy7	381	39.83	685	7	0.0019	0	Pass
561 Yellow-Green	E	DsRed	577	16.95	650	-8	0.3942	0	Pass
561 Yellow-Green	D	PE-Texas Red	451	29.78	644	-10	0.0280	13	Pass
561 Yellow-Green	C	7-AAD	457	35.15	716	-8	0.0300	68	Pass

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561 Yellow-Green	B	PE-Cy5-5	433	30.66	657	-1	0.0219	197	Pass
561 Yellow-Green	A	PE-Cy7	85	37.49	482	-1	0.0214	47	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	-73.09	-72.16	1.01
561 Yellow-Green	-38.15	-37.37	0.99
Blue	0.00	0.00	1.12

Window Extension: 2.00
FSC Area Scaling Factor: 0.85

Threshold

Threshold (FSC): 9604

Fluidics

Sheath Pressure: 24.80 Sample Pressure: 23.78
Nozzle Size: 100

Comments