

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: 04/11/2016 11:18 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 (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	125563	0	1.93	125709	1.96
Blue	C	SSC	125000	124441	-1	2.71	125419	2.64
Blue	B	Alexa Fluor 488	21893	21781	-1	2.67	503	17.38
Blue	A	PerCP	28999	29061	0	4.42	571	24.85
Red	C	Alexa Fluor 647	24023	23740	-2	4.05	468	25.52
Red	B	APC-Alexa 700	95610	95092	-1	2.68	1693	11.09
Red	A	APC-Cy7	84656	84093	-1	3.52	1298	20.06
561 Yellow-Green	E	DsRed	88087	88353	0	1.76	1997	9.20
561 Yellow-Green	D	PE-Texas Red	79386	79395	0	2.36	1616	15.27
561 Yellow-Green	C	7-AAD	82932	82957	0	2.58	1792	16.56
561 Yellow-Green	B	PE-Cy5-5	83720	83788	0	2.39	1639	14.16
561 Yellow-Green	A	PE-Cy7	22282	21529	-4	2.91	322	18.25

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	14062	4.08	330	-4	N/A	N/A	Pass
Blue	C	SSC	68530	3.15	363	8	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	98	47.17	573	5	0.0227	0	Pass
Blue	A	PerCP	114	61.89	612	-1	0.0046	271	Pass
Red	C	Alexa Fluor 647	124	51.04	594	-7	0.0075	64	Pass
Red	B	APC-Alexa 700	422	21.85	620	2	0.0061	0	Pass
Red	A	APC-Cy7	312	41.67	677	-1	0.0022	0	Pass
561 Yellow-Green	E	DsRed	598	17.18	653	-5	0.3827	0	Pass
561 Yellow-Green	D	PE-Texas Red	464	29.40	647	-7	0.0266	0	Pass
561 Yellow-Green	C	7-AAD	459	34.19	716	-8	0.0292	35	Pass

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561 Yellow-Green	B	PE-Cy5-5	390	30.86	653	-5	0.0220	98	Pass
561 Yellow-Green	A	PE-Cy7	79	37.06	477	-6	0.0205	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	-72.76	-71.89	1.02
561 Yellow-Green	-37.99	-37.24	0.99
Blue	0.00	0.00	1.11

Window Extension: 2.00
FSC Area Scaling Factor: 0.86

Threshold

Threshold (FSC): 10947

Fluidics

Sheath Pressure: 24.77 Sample Pressure: 23.71
Nozzle Size: 100

Comments