

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: 03/29/2016 03:58 PM
 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	123921	-1	2.97	124080	2.91
Blue	C	SSC	125000	124002	-1	4.35	124958	4.53
Blue	B	Alexa Fluor 488	21893	21766	-1	3.98	493	17.64
Blue	A	PerCP	28999	29012	0	5.46	595	25.88
Red	C	Alexa Fluor 647	24023	23734	-2	4.74	464	27.08
Red	B	APC-Alexa 700	95610	95322	-1	3.28	1773	11.94
Red	A	APC-Cy7	84656	83819	-1	4.20	1429	21.04
561 Yellow-Green	E	DsRed	88087	87253	-1	2.51	1932	9.65
561 Yellow-Green	D	PE-Texas Red	79386	79052	-1	3.04	1538	16.22
561 Yellow-Green	C	7-AAD	82932	82892	-1	3.32	1769	17.26
561 Yellow-Green	B	PE-Cy5-5	83720	83668	-1	3.25	1707	14.88
561 Yellow-Green	A	PE-Cy7	22282	21570	-4	3.63	356	18.53

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	14374	7.28	329	-5	N/A	N/A	Pass
Blue	C	SSC	67810	6.23	362	7	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	94	51.18	573	5	0.0247	6	Pass
Blue	A	PerCP	116	66.21	619	6	0.0041	329	Pass
Red	C	Alexa Fluor 647	123	53.57	601	0	0.0067	44	Pass
Red	B	APC-Alexa 700	432	23.76	633	15	0.0050	0	Pass
Red	A	APC-Cy7	342	43.90	689	11	0.0018	85	Pass
561 Yellow-Green	E	DsRed	571	17.99	655	-3	0.3678	0	Pass
561 Yellow-Green	D	PE-Texas Red	426	31.30	650	-4	0.0248	0	Pass
561 Yellow-Green	C	7-AAD	431	37.41	727	3	0.0281	62	Pass

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561 Yellow-Green	B	PE-Cy5-5	399	33.48	666	8	0.0199	174	Pass
561 Yellow-Green	A	PE-Cy7	87	37.07	487	4	0.0180	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	-72.50	-71.63	1.04
561 Yellow-Green	-37.81	-37.03	0.99
Blue	0.00	0.00	1.13

Window Extension: 2.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9757

Fluidics

Sheath Pressure: 24.82 Sample Pressure: 23.89
Nozzle Size: 100

Comments