

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: 04/04/2016 02:11 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 (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	124299	-1	1.67	124478	1.63
Blue	C	SSC	125000	122843	-2	3.35	123931	3.35
Blue	B	Alexa Fluor 488	21893	21556	-2	3.07	495	17.32
Blue	A	PerCP	28999	29030	0	4.66	568	25.00
Red	C	Alexa Fluor 647	24023	23779	-2	4.46	463	26.03
Red	B	APC-Alexa 700	95610	95106	-1	3.27	1631	11.23
Red	A	APC-Cy7	84656	83619	-2	3.89	1253	20.71
561 Yellow-Green	E	DsRed	88087	88190	0	1.89	1980	9.15
561 Yellow-Green	D	PE-Texas Red	79386	79161	-1	2.47	1579	15.62
561 Yellow-Green	C	7-AAD	82932	83133	0	2.78	1757	16.67
561 Yellow-Green	B	PE-Cy5-5	83720	82901	-1	2.58	1591	14.24
561 Yellow-Green	A	PE-Cy7	22282	21520	-4	2.98	316	17.66

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	14177	3.51	328	-6	N/A	N/A	Pass
Blue	C	SSC	66965	4.16	362	7	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	96	49.42	572	4	0.0244	0	Pass
Blue	A	PerCP	112	66.06	612	-1	0.0047	431	Pass
Red	C	Alexa Fluor 647	122	52.33	595	-6	0.0074	70	Pass
Red	B	APC-Alexa 700	399	22.93	620	2	0.0065	113	Pass
Red	A	APC-Cy7	299	42.80	676	-2	0.0021	0	Pass
561 Yellow-Green	E	DsRed	586	17.31	653	-5	0.3955	0	Pass
561 Yellow-Green	D	PE-Texas Red	440	31.39	647	-7	0.0267	29	Pass
561 Yellow-Green	C	7-AAD	436	35.72	717	-7	0.0301	56	Pass

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561 Yellow-Green	B	PE-Cy5-5	378	31.13	652	-6	0.0224	100	Pass
561 Yellow-Green	A	PE-Cy7	76	38.51	476	-7	0.0233	40	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	-72.71	-71.83	1.03
561 Yellow-Green	-37.98	-37.15	0.99
Blue	0.00	0.00	1.11

Window Extension: 2.00
FSC Area Scaling Factor: 0.86

Threshold

Threshold (FSC): 11889

Fluidics

Sheath Pressure: 24.82 Sample Pressure: 23.71
Nozzle Size: 100

Comments