

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: 06/27/2016 02:23 PM
 Cytometer Baseline: 04/26/2016 09:22 AM
 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	123975	-1	1.72	124161	1.72
Blue	C	SSC	125000	125492	0	2.56	126620	2.54
Blue	B	Alexa Fluor 488	23483	23096	-2	2.54	531	16.99
Blue	A	PerCP	29631	29662	0	4.18	579	24.66
Red	C	Alexa Fluor 647	23800	23645	-1	3.95	459	25.43
Red	B	APC-Alexa 700	89291	89454	0	2.35	1544	11.20
Red	A	APC-Cy7	79063	78860	-1	3.22	1197	20.27
561 Yellow-Green	E	DsRed	89499	89117	-1	1.76	1982	9.19
561 Yellow-Green	D	PE-Texas Red	76034	75319	-1	2.30	1478	15.50
561 Yellow-Green	C	7-AAD	86998	86231	-1	2.50	1806	17.00
561 Yellow-Green	B	PE-Cy5-5	84542	84276	-1	2.33	1617	13.98
561 Yellow-Green	A	PE-Cy7	21961	21260	-4	2.84	314	17.77

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	14297	4.38	331	-3	N/A	N/A	Pass
Blue	C	SSC	69636	3.26	364	3	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	104	47.32	579	0	0.0246	0	Pass
Blue	A	PerCP	116	63.54	618	4	0.0048	368	Pass
Red	C	Alexa Fluor 647	122	53.13	596	0	0.0080	157	Pass
Red	B	APC-Alexa 700	375	23.03	618	2	0.0061	0	Pass
Red	A	APC-Cy7	283	43.35	671	0	0.0022	118	Pass
561 Yellow-Green	E	DsRed	587	17.50	660	4	0.3948	0	Pass
561 Yellow-Green	D	PE-Texas Red	415	30.78	643	-1	0.0272	13	Pass
561 Yellow-Green	C	7-AAD	443	36.07	733	8	0.0286	35	Pass

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561 Yellow-Green	B	PE-Cy5-5	381	32.35	660	4	0.0242	214	Pass
561 Yellow-Green	A	PE-Cy7	76	34.66	476	-2	0.0212	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	-73.15	-72.16	1.02
561 Yellow-Green	-38.23	-37.34	0.99
Blue	0.00	0.00	1.11

Window Extension: 2.00
FSC Area Scaling Factor: 0.85

Threshold

Threshold (FSC): 10955

Fluidics

Sheath Pressure: 24.79 Sample Pressure: 23.75
Nozzle Size: 100

Comments