

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: 05/09/2016 02:03 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	125270	0	4.53	125543	6.34
Blue	C	SSC	125000	123793	-1	5.35	125027	5.62
Blue	B	Alexa Fluor 488	23483	22894	-3	4.66	526	16.96
Blue	A	PerCP	29631	29265	-2	5.88	582	25.51
Red	C	Alexa Fluor 647	23800	23255	-3	5.34	457	26.71
Red	B	APC-Alexa 700	89291	87913	-2	4.39	1650	11.67
Red	A	APC-Cy7	79063	79236	0	4.90	1283	21.32
561 Yellow-Green	E	DsRed	89499	89142	-1	2.51	1970	9.36
561 Yellow-Green	D	PE-Texas Red	76034	75163	-2	3.00	1492	15.65
561 Yellow-Green	C	7-AAD	86998	86284	-1	3.28	1843	16.52
561 Yellow-Green	B	PE-Cy5-5	84542	83962	-1	3.20	1675	13.98
561 Yellow-Green	A	PE-Cy7	21961	21166	-4	3.55	332	18.04

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	14989	3.41	331	-3	N/A	N/A	Pass
Blue	C	SSC	68715	6.27	364	3	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	102	46.73	578	-1	0.0264	0	Pass
Blue	A	PerCP	115	64.15	615	1	0.0044	312	Pass
Red	C	Alexa Fluor 647	122	52.33	595	-1	0.0069	44	Pass
Red	B	APC-Alexa 700	419	21.86	618	2	0.0057	0	Pass
Red	A	APC-Cy7	313	42.92	679	8	0.0019	0	Pass
561 Yellow-Green	E	DsRed	579	17.43	652	-4	0.3924	0	Pass
561 Yellow-Green	D	PE-Texas Red	422	29.79	640	-4	0.0261	0	Pass
561 Yellow-Green	C	7-AAD	457	34.58	720	-5	0.0302	34	Pass

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: 05/09/2016 02:03 PM
Cytometer Baseline: 04/26/2016 09:22 AM
P/F: Pass

561 Yellow-Green	B	PE-Cy5-5	398	31.56	655	-1	0.0237	206	Pass
561 Yellow-Green	A	PE-Cy7	79	36.61	479	1	0.0201	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	-72.43	-72.12	1.03
561 Yellow-Green	-37.53	-37.24	0.99
Blue	0.00	0.00	1.11

Window Extension: 2.00
FSC Area Scaling Factor: 0.94

Threshold

Threshold (FSC): 11557

Fluidics

Sheath Pressure: 24.87 Sample Pressure: 23.71
Nozzle Size: 100

Comments