

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 9.0.1
 Date: 11/08/2021 11:20 AM
 Cytometer Baseline: 11/02/2021 10:54 AM
 P/F: Pass

Setup Beads

Bead Product: CST Setup Beads Part #: 910858
 Lot ID: 70757 Expiration Date: 03/31/2022
 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	125384	0	1.73	125370	1.66
Blue	C	SSC	125000	122952	-2	3.06	123304	3.00
Blue	B	Alexa Fluor 488	35799	35521	-1	2.59	815	16.52
Blue	A	PerCP	17712	17661	-1	4.73	667	23.52
Red	C	Alexa Fluor 647	19450	19093	-2	4.06	652	19.01
Red	B	APC-Alexa 700	70881	69477	-2	3.50	3385	8.72
Red	A	APC-Cy7	61146	60064	-2	4.64	2889	15.68
561 Yellow-Green	E	DsRed	118653	117519	-1	1.73	3017	7.48
561 Yellow-Green	D	PE-Texas Red	101436	100078	-2	2.24	2355	11.95
561 Yellow-Green	C	7-AAD	78717	76710	-3	3.03	2954	13.15
561 Yellow-Green	B	PE-Cy5-5	67052	65083	-3	3.42	3063	11.56
561 Yellow-Green	A	PE-Cy7	9927	9068	-9	4.52	406	15.11

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18712	3.27	404	4	N/A	N/A	Pass
Blue	C	SSC	58843	2.33	360	1	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	144	48.32	634	-3	0.0285	0	Pass
Blue	A	PerCP	84	78.82	629	0	0.0040	345	Pass
Red	C	Alexa Fluor 647	100	49.91	578	0	0.0094	55	Pass
Red	B	APC-Alexa 700	533	21.58	638	6	0.0087	141	Pass
Red	A	APC-Cy7	457	40.93	699	8	0.0024	280	Pass
561 Yellow-Green	E	DsRed	652	16.86	661	-3	0.6006	0	Pass
561 Yellow-Green	D	PE-Texas Red	478	28.34	640	-3	0.0442	5	Pass
561 Yellow-Green	C	7-AAD	458	37.38	732	-3	0.0408	49	Pass

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Cytometer:	FACSAriaII	User:	Administrator
Cytometer Name:	FACSAriaII	Institution:	N/A
Serial Number:	1	Software:	BD FACSDiva 9.0.1
Input Device:	Manual	Date:	11/08/2021 11:20 AM
Cytometer Configuration:	100 microns 25PSI standard	Cytometer Baseline:	11/02/2021 10:54 AM
		P/F:	Pass

561 Yellow-Green	B	PE-Cy5-5	478	34.01	678	0	0.0272	235	Pass
561 Yellow-Green	A	PE-Cy7	68	37.59	469	-1	0.0207	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	-76.22	-75.72	1.00
561 Yellow-Green	-39.03	-38.78	0.96
Blue	0.00	0.00	1.07

Window Extension:	2.00
FSC Area Scaling Factor:	0.97

Threshold

Threshold (FSC): 11639

Fluidics

Sheath Pressure:	24.86	Sample Pressure:	23.80
Nozzle Size:	100		

Comments