

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: 11/02/2021 10:59 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	123926	-1	2.74	123860	2.75
Blue	C	SSC	125000	123176	-2	4.87	123497	4.74
Blue	B	Alexa Fluor 488	35799	35562	-1	3.81	811	17.5
Blue	A	PerCP	17712	17628	-1	5.29	658	23.92
Red	C	Alexa Fluor 647	19450	19008	-3	4.28	645	19.1
Red	B	APC-Alexa 700	70881	70267	-1	3.6	3303	8.98
Red	A	APC-Cy7	61146	60205	-2	4.65	2766	15.56
561 Yellow-Green	E	DsRed	118653	118513	-1	2.24	3039	7.85
561 Yellow-Green	D	PE-Texas Red	101436	101274	-1	2.69	2380	12.65
561 Yellow-Green	C	7-AAD	78717	78683	-1	3.28	2996	13.23
561 Yellow-Green	B	PE-Cy5-5	67052	66269	-2	3.7	3045	11.66
561 Yellow-Green	A	PE-Cy7	9927	9155	-8	4.7	391	15.59

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18836	5.21	404	4	N/A	N/A	Pass
Blue	C	SSC	57751	4.15	361	2	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	142	47.22	637	0	0.0247	0	Pass
Blue	A	PerCP	82	79.83	630	1	0.0039	315	Pass
Red	C	Alexa Fluor 647	99	48.93	577	-1	0.0093	21	Pass
Red	B	APC-Alexa 700	510	22.17	634	2	0.0083	0	Pass
Red	A	APC-Cy7	420	40.56	693	2	0.0026	44	Pass
561 Yellow-Green	E	DsRed	644	17.4	664	0	0.5544	0	Pass
561 Yellow-Green	D	PE-Texas Red	475	28.99	643	0	0.0391	0	Pass
561 Yellow-Green	C	7-AAD	450	37.54	736	1	0.0408	37	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:	11/02/2021 10:59 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	455	34.33	679	1	0.0274	183	Pass
561 Yellow-Green	A	PE-Cy7	63	40.43	467	-3	0.0206	7	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	-76.56	-76.09	0.99
561 Yellow-Green	-39.29	-38.98	0.96
Blue	0.00	0.00	1.05

Window Extension:	2.00
FSC Area Scaling Factor:	0.96

Threshold

Threshold (FSC): 10880

Fluidics

Sheath Pressure:	24.79	Sample Pressure:	23.80
Nozzle Size:	100		

Comments