

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: 11/16/2021 09:08 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	124774	-1	2.28	124720	2.24
Blue	C	SSC	125000	122752	-2	4.30	123047	4.11
Blue	B	Alexa Fluor 488	35799	35172	-2	3.44	802	17.17
Blue	A	PerCP	17712	17747	0	5.21	675	23.17
Red	C	Alexa Fluor 647	19450	19343	-1	4.14	662	18.42
Red	B	APC-Alexa 700	70881	70790	-1	3.74	3507	9.05
Red	A	APC-Cy7	61146	60904	-1	4.98	2995	15.90
561 Yellow-Green	E	DsRed	118653	117617	-1	2.18	3015	7.84
561 Yellow-Green	D	PE-Texas Red	101436	101235	-1	2.53	2380	12.37
561 Yellow-Green	C	7-AAD	78717	77646	-2	3.26	2991	13.11
561 Yellow-Green	B	PE-Cy5-5	67052	66179	-2	3.69	3168	11.71
561 Yellow-Green	A	PE-Cy7	9927	9125	-9	4.86	419	15.54

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18822	4.13	401	1	N/A	N/A	Pass
Blue	C	SSC	58597	3.56	358	-1	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	142	49.42	631	-6	0.0268	0	Pass
Blue	A	PerCP	85	78.71	629	0	0.0042	396	Pass
Red	C	Alexa Fluor 647	103	49.90	579	1	0.0102	114	Pass
Red	B	APC-Alexa 700	560	22.04	644	12	0.0079	209	Pass
Red	A	APC-Cy7	474	41.48	705	14	0.0023	352	Pass
561 Yellow-Green	E	DsRed	648	17.25	662	-2	0.5531	0	Pass
561 Yellow-Green	D	PE-Texas Red	482	28.77	643	0	0.0412	0	Pass
561 Yellow-Green	C	7-AAD	453	37.77	734	-1	0.0415	52	Pass

Cytometer Performance Report

Cytometer:	FACSAriaII	User:	Administrator
Cytometer Name:	FACSAriaII	Institution:	N/A
Serial Number:	1	Software:	BD FACSDiva 9.0.1
Input Device:	Manual	Date:	11/16/2021 09:08 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	487	34.88	682	4	0.0265	261	Pass
561 Yellow-Green	A	PE-Cy7	70	38.07	473	3	0.0191	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	-76.69	-76.19	0.99
561 Yellow-Green	-39.32	-39.00	0.95
Blue	0.00	0.00	1.06

Window Extension:	2.00
FSC Area Scaling Factor:	0.96

Threshold

Threshold (FSC): 10798

Fluidics

Sheath Pressure:	24.74	Sample Pressure:	23.80
Nozzle Size:	100		

Comments	
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