

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: 05/17/2021 11:04 AM
 Cytometer Baseline: 10/26/2020 10:09 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	123925	-1	1.62	123851	1.62
Blue	C	SSC	125000	122414	-3	4.09	122818	4.03
Blue	B	Alexa Fluor 488	27038	26729	-2	3.06	612	17.90
Blue	A	PerCP	20137	19602	-3	5.45	737	22.64
Red	C	Alexa Fluor 647	20177	19666	-3	4.61	674	18.87
Red	B	APC-Alexa 700	53518	51517	-4	5.50	2421	9.34
Red	A	APC-Cy7	50002	48029	-4	6.65	2208	15.66
561 Yellow-Green	E	DsRed	95457	93949	-2	2.00	2421	7.61
561 Yellow-Green	D	PE-Texas Red	82387	81146	-2	2.35	1910	12.34
561 Yellow-Green	C	7-AAD	61828	60197	-3	3.63	2313	13.15
561 Yellow-Green	B	PE-Cy5-5	54739	53081	-4	4.43	2437	11.42
561 Yellow-Green	A	PE-Cy7	10496	9541	-10	5.79	408	15.74

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19289	2.31	357	-2	N/A	N/A	Pass
Blue	C	SSC	58716	2.96	355	2	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	108	57.49	602	1	0.0264	10	Pass
Blue	A	PerCP	93	76.75	628	4	0.0045	407	Pass
Red	C	Alexa Fluor 647	107	48.95	577	4	0.0097	71	Pass
Red	B	APC-Alexa 700	389	23.05	608	13	0.0115	1908	Pass
Red	A	APC-Cy7	351	40.90	671	21	0.0029	693	Pass
561 Yellow-Green	E	DsRed	524	17.68	640	0	0.6042	4	Pass
561 Yellow-Green	D	PE-Texas Red	392	29.14	622	1	0.0416	10	Pass
561 Yellow-Green	C	7-AAD	352	38.48	705	0	0.0426	71	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:	05/17/2021 11:04 AM
Cytometer Configuration:	100 microns 25PSI standard	Cytometer Baseline:	10/26/2020 10:09 AM
		P/F:	Pass

561 Yellow-Green	B	PE-Cy5-5	379	35.37	655	6	0.0328	424	Pass
561 Yellow-Green	A	PE-Cy7	67	38.12	468	9	0.0209	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	-75.56	-74.91	1.01
561 Yellow-Green	-38.90	-38.16	0.96
Blue	0.00	0.00	1.10

Window Extension:	2.00
FSC Area Scaling Factor:	0.90

Threshold

Threshold (FSC): 10862

Fluidics

Sheath Pressure:	24.83	Sample Pressure:	23.80
Nozzle Size:	100		

Comments