

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: 01/18/2021 11:08 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	124021	-1	1.94	123937	1.95
Blue	C	SSC	125000	124259	-1	5.27	124701	5.30
Blue	B	Alexa Fluor 488	27038	26699	-2	4.14	608	17.70
Blue	A	PerCP	20137	20184	0	5.64	729	22.14
Red	C	Alexa Fluor 647	20177	19913	-2	3.84	677	17.98
Red	B	APC-Alexa 700	53518	53102	-1	4.09	2250	8.62
Red	A	APC-Cy7	50002	49344	-2	5.41	1955	14.53
561 Yellow-Green	E	DsRed	95457	94853	-1	3.37	2424	8.33
561 Yellow-Green	D	PE-Texas Red	82387	81365	-2	3.56	1908	12.76
561 Yellow-Green	C	7-AAD	61828	61420	-1	4.18	2288	13.40
561 Yellow-Green	B	PE-Cy5-5	54739	53647	-2	4.85	2276	11.89
561 Yellow-Green	A	PE-Cy7	10496	9811	-7	6.48	362	15.02

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20746	5.67	352	-7	N/A	N/A	Pass
Blue	C	SSC	60462	4.34	353	0	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	105	55.80	595	-6	0.0274	0	Pass
Blue	A	PerCP	90	75.98	621	-3	0.0049	393	Pass
Red	C	Alexa Fluor 647	107	46.16	570	-3	0.0106	48	Pass
Red	B	APC-Alexa 700	347	22.91	591	-4	0.0123	1037	Pass
Red	A	APC-Cy7	299	40.71	648	-2	0.0039	704	Pass
561 Yellow-Green	E	DsRed	529	18.13	640	0	0.5563	0	Pass
561 Yellow-Green	D	PE-Texas Red	391	29.65	621	0	0.0408	12	Pass
561 Yellow-Green	C	7-AAD	350	38.39	705	0	0.0432	63	Pass

Cytometer Performance Report

Cytometer:	FACSAriaII	User:	Administrator
Cytometer Name:	FACSAriaII	Institution:	N/A
Serial Number:	1	Software:	BD FACSDiva 8.0.1
Input Device:	Manual	Date:	01/18/2021 11:08 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	346	35.10	648	-1	0.0320	253	Pass
561 Yellow-Green	A	PE-Cy7	57	39.54	457	-2	0.0297	40	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	-75.54	-74.92	1.01
561 Yellow-Green	-38.70	-38.14	0.97
Blue	0.00	0.00	1.13

Window Extension:	2.00
FSC Area Scaling Factor:	0.95

Threshold

Threshold (FSC): 10923

Fluidics

Sheath Pressure:	24.72	Sample Pressure:	23.71
Nozzle Size:	100		

Comments