

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: 07/05/2021 11:00 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	125289	0	1.93	125167	1.95
Blue	C	SSC	125000	124485	-1	5.15	124741	4.84
Blue	B	Alexa Fluor 488	27038	27018	-1	3.86	618	19.05
Blue	A	PerCP	20137	20464	1	5.23	770	23.33
Red	C	Alexa Fluor 647	20177	19761	-3	5.63	668	20.05
Red	B	APC-Alexa 700	53518	52359	-3	5.18	2491	10.35
Red	A	APC-Cy7	50002	49592	-1	6.14	2318	16.58
561 Yellow-Green	E	DsRed	95457	95421	-1	2.15	2452	7.69
561 Yellow-Green	D	PE-Texas Red	82387	81774	-1	2.55	1922	12.45
561 Yellow-Green	C	7-AAD	61828	61362	-1	3.14	2355	13.03
561 Yellow-Green	B	PE-Cy5-5	54739	53725	-2	3.52	2503	11.47
561 Yellow-Green	A	PE-Cy7	10496	9838	-7	4.35	432	14.99

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20149	3.81	367	8	N/A	N/A	Pass
Blue	C	SSC	59634	4.49	361	8	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	108	57.25	613	12	0.0221	0	Pass
Blue	A	PerCP	95	81.63	640	16	0.0042	433	Pass
Red	C	Alexa Fluor 647	105	50.35	582	9	0.0087	30	Pass
Red	B	APC-Alexa 700	396	23.04	614	19	0.0065	0	Pass
Red	A	APC-Cy7	364	41.61	680	30	0.0023	135	Pass
561 Yellow-Green	E	DsRed	527	17.63	643	3	0.5910	1	Pass
561 Yellow-Green	D	PE-Texas Red	384	29.29	624	3	0.0408	0	Pass
561 Yellow-Green	C	7-AAD	353	37.86	707	2	0.0420	51	Pass

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: 07/05/2021 11:00 AM
Cytometer Baseline: 10/26/2020 10:09 AM
P/F: Pass

561 Yellow-Green	B	PE-Cy5-5	383	34.13	658	9	0.0282	238	Pass
561 Yellow-Green	A	PE-Cy7	71	37.56	472	13	0.0213	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	-76.28	-75.70	0.99
561 Yellow-Green	-39.11	-38.59	0.95
Blue	0.00	0.00	1.07

Window Extension: 2.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9780

Fluidics

Sheath Pressure: 24.73 Sample Pressure: 23.80
Nozzle Size: 100

Comments