

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: 05/25/2021 11:22 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	123745	-2	1.19	123661	1.22
Blue	C	SSC	125000	120827	-4	2.45	121261	2.32
Blue	B	Alexa Fluor 488	27038	26685	-2	2.27	614	17.46
Blue	A	PerCP	20137	20002	-1	5.00	777	22.52
Red	C	Alexa Fluor 647	20177	19720	-3	3.91	677	18.87
Red	B	APC-Alexa 700	53518	51626	-4	4.53	2645	9.04
Red	A	APC-Cy7	50002	48232	-4	6.22	2472	15.94
561 Yellow-Green	E	DsRed	95457	94237	-2	1.62	2422	7.52
561 Yellow-Green	D	PE-Texas Red	82387	81360	-2	2.13	1911	12.24
561 Yellow-Green	C	7-AAD	61828	60636	-2	3.34	2362	12.69
561 Yellow-Green	B	PE-Cy5-5	54739	53000	-4	4.23	2583	11.50
561 Yellow-Green	A	PE-Cy7	10496	9535	-10	6.02	456	15.71

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18171	2.95	393	34	N/A	N/A	Pass
Blue	C	SSC	57891	2.03	354	1	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	107	51.97	601	0	0.0253	0	Pass
Blue	A	PerCP	100	72.48	632	8	0.0042	300	Pass
Red	C	Alexa Fluor 647	108	47.11	578	5	0.0093	15	Pass
Red	B	APC-Alexa 700	427	21.83	617	22	0.0089	886	Pass
Red	A	APC-Cy7	395	40.30	684	34	0.0024	391	Pass
561 Yellow-Green	E	DsRed	524	16.96	641	1	0.5869	0	Pass
561 Yellow-Green	D	PE-Texas Red	389	28.40	624	3	0.0415	0	Pass
561 Yellow-Green	C	7-AAD	361	36.17	710	5	0.0440	48	Pass

Cytometer Performance Report

Cytometer: FACSARIAII
Cytometer Name: FACSARIAII
Serial Number: 1
Input Device: Manual
Cytometer Configuration: 100 microns 25PSI standard

User: Administrator
Institution: N/A
Software: BD FACSDiva 9.0.1
Date: 05/25/2021 11:22 AM
Cytometer Baseline: 10/26/2020 10:09 AM
P/F: Pass

561 Yellow-Green	B	PE-Cy5-5	405	33.97	664	15	0.0287	325	Pass
561 Yellow-Green	A	PE-Cy7	77	38.92	478	19	0.0193	25	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	-75.45	-74.90	1.01
561 Yellow-Green	-38.56	-38.18	0.97
Blue	0.00	0.00	1.11

Window Extension: 2.00
FSC Area Scaling Factor: 0.99

Threshold

Threshold (FSC): 10781

Fluidics

Sheath Pressure: 24.88 Sample Pressure: 23.80
Nozzle Size: 100

Comments