

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: 08/10/2021 10:52 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	124611	-1	2.54	124538	2.54
Blue	C	SSC	125000	125844	0	4.30	126286	3.99
Blue	B	Alexa Fluor 488	27038	26752	-2	3.55	615	18.66
Blue	A	PerCP	20137	19938	-1	5.04	721	22.59
Red	C	Alexa Fluor 647	20177	19831	-2	4.17	672	18.64
Red	B	APC-Alexa 700	53518	52686	-2	3.35	2270	9.10
Red	A	APC-Cy7	50002	49256	-2	4.33	2005	15.15
561 Yellow-Green	E	DsRed	95457	94856	-1	2.24	2441	8.06
561 Yellow-Green	D	PE-Texas Red	82387	82808	0	2.78	1947	12.58
561 Yellow-Green	C	7-AAD	61828	61517	-1	3.38	2310	13.18
561 Yellow-Green	B	PE-Cy5-5	54739	54291	-1	3.71	2340	11.56
561 Yellow-Green	A	PE-Cy7	10496	9854	-7	4.44	374	15.13

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19192	5.25	401	42	N/A	N/A	Pass
Blue	C	SSC	59314	3.63	361	8	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	106	55.23	611	10	0.0224	0	Pass
Blue	A	PerCP	91	74.98	631	7	0.0046	318	Pass
Red	C	Alexa Fluor 647	98	50.92	578	5	0.0099	72	Pass
Red	B	APC-Alexa 700	326	24.41	601	6	0.0086	65	Pass
Red	A	APC-Cy7	285	41.84	661	11	0.0031	103	Pass
561 Yellow-Green	E	DsRed	504	18.25	642	2	0.5222	0	Pass
561 Yellow-Green	D	PE-Texas Red	366	29.34	624	3	0.0394	0	Pass
561 Yellow-Green	C	7-AAD	329	38.25	704	-1	0.0418	30	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: 08/10/2021 10:52 AM
Cytometer Baseline: 10/26/2020 10:09 AM
P/F: Pass

561 Yellow-Green	B	PE-Cy5-5	336	34.96	649	0	0.0300	167	Pass
561 Yellow-Green	A	PE-Cy7	56	40.21	460	1	0.0245	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	-76.53	-76.11	0.99
561 Yellow-Green	-39.33	-38.90	0.96
Blue	0.00	0.00	1.05

Window Extension: 2.00
FSC Area Scaling Factor: 0.96

Threshold

Threshold (FSC): 9767

Fluidics

Sheath Pressure: 24.81 Sample Pressure: 23.80
Nozzle Size: 100

Comments