

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: 03/15/2021 11:03 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	123927	-1	1.92	123868	1.92
Blue	C	SSC	125000	123699	-2	4.15	124163	3.91
Blue	B	Alexa Fluor 488	27038	26647	-2	3.24	613	17.04
Blue	A	PerCP	20137	20046	-1	4.95	724	22.23
Red	C	Alexa Fluor 647	20177	19821	-2	3.92	674	17.69
Red	B	APC-Alexa 700	53518	52870	-2	3.94	2232	8.45
Red	A	APC-Cy7	50002	49629	-1	5.10	1956	14.51
561 Yellow-Green	E	DsRed	95457	94316	-2	2.72	2431	7.76
561 Yellow-Green	D	PE-Texas Red	82387	81294	-2	2.81	1912	12.49
561 Yellow-Green	C	7-AAD	61828	61347	-1	3.43	2297	12.95
561 Yellow-Green	B	PE-Cy5-5	54739	53939	-2	4.03	2277	11.24
561 Yellow-Green	A	PE-Cy7	10496	9860	-7	5.52	363	14.94

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20605	3.60	349	-10	N/A	N/A	Pass
Blue	C	SSC	60715	3.17	354	1	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	109	54.46	601	0	0.0296	0	Pass
Blue	A	PerCP	91	74.13	622	-2	0.0047	335	Pass
Red	C	Alexa Fluor 647	107	46.16	570	-3	0.0111	82	Pass
Red	B	APC-Alexa 700	346	22.68	591	-4	0.0129	1104	Pass
Red	A	APC-Cy7	301	39.57	649	-1	0.0038	449	Pass
561 Yellow-Green	E	DsRed	534	16.86	642	2	0.6001	0	Pass
561 Yellow-Green	D	PE-Texas Red	397	28.79	623	2	0.0410	0	Pass
561 Yellow-Green	C	7-AAD	351	38.18	706	1	0.0450	75	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 8.0.1
Date: 03/15/2021 11:03 AM
Cytometer Baseline: 10/26/2020 10:09 AM
P/F: Pass

561 Yellow-Green	B	PE-Cy5-5	346	34.28	647	-2	0.0349	274	Pass
561 Yellow-Green	A	PE-Cy7	57	39.54	458	-1	0.0280	22	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	-75.32	-74.89	1.02
561 Yellow-Green	-38.53	-38.19	0.96
Blue	0.00	0.00	1.12

Window Extension: 2.00
FSC Area Scaling Factor: 0.94

Threshold

Threshold (FSC): 10043

Fluidics

Sheath Pressure: 24.74 Sample Pressure: 23.74
Nozzle Size: 100

Comments