

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: 03/08/2021 10:47 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	125344	0	2.18	125239	2.15
Blue	C	SSC	125000	123512	-2	5.24	123966	5.08
Blue	B	Alexa Fluor 488	27038	26619	-2	4.11	611	18.53
Blue	A	PerCP	20137	20367	1	5.43	729	22.98
Red	C	Alexa Fluor 647	20177	19983	-1	4.28	677	17.92
Red	B	APC-Alexa 700	53518	52348	-3	4.53	2154	8.91
Red	A	APC-Cy7	50002	49957	-1	5.64	1911	14.44
561 Yellow-Green	E	DsRed	95457	93831	-2	3.09	2409	8.05
561 Yellow-Green	D	PE-Texas Red	82387	81457	-2	3.26	1914	12.59
561 Yellow-Green	C	7-AAD	61828	60958	-2	3.89	2274	12.98
561 Yellow-Green	B	PE-Cy5-5	54739	54147	-2	4.52	2249	11.60
561 Yellow-Green	A	PE-Cy7	10496	9862	-7	6.10	350	15.07

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21057	4.05	358	-1	N/A	N/A	Pass
Blue	C	SSC	60372	4.36	356	3	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	108	57.49	605	4	0.0245	0	Pass
Blue	A	PerCP	91	76.81	626	2	0.0045	336	Pass
Red	C	Alexa Fluor 647	109	45.30	570	-3	0.0108	46	Pass
Red	B	APC-Alexa 700	334	23.29	589	-6	0.0124	952	Pass
Red	A	APC-Cy7	292	40.01	647	-3	0.0041	620	Pass
561 Yellow-Green	E	DsRed	524	18.23	641	1	0.5965	7	Pass
561 Yellow-Green	D	PE-Texas Red	395	29.94	623	2	0.0420	35	Pass
561 Yellow-Green	C	7-AAD	347	37.78	706	1	0.0458	69	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: 03/08/2021 10:47 AM
Cytometer Baseline: 10/26/2020 10:09 AM
P/F: Pass

561 Yellow-Green	B	PE-Cy5-5	341	35.50	645	-4	0.0345	300	Pass
561 Yellow-Green	A	PE-Cy7	56	40.21	456	-3	0.0301	47	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	-38.85	-38.17	0.96
Blue	0.00	0.00	1.11

Window Extension: 2.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 9542

Fluidics

Sheath Pressure: 24.74 Sample Pressure: 23.75
Nozzle Size: 100

Comments