

Cytometer Performance Report

Cytometer:	FACSAriaII	User:	Administrator
Cytometer Name:	FACSAriaII	Institution:	N/A
Serial Number:	1	Software:	BD FACSDiva 9.0.1
Input Device:	Manual	Date:	08/29/2022 02:22 PM
Cytometer Configuration:	100 microns 25PSI standard	Cytometer Baseline:	11/02/2021 10:54 AM
		P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910858
Lot ID: 70757 **Expiration Date:** 03/31/2022 (Expired)
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	125347	0	2.36	125236	2.40
Blue	C	SSC	125000	121836	-3	9.58	122358	9.66
Blue	B	Alexa Fluor 488	35799	35462	-1	4.65	812	17.20
Blue	A	PerCP	17712	17811	0	5.62	630	24.17
Red	C	Alexa Fluor 647	19450	19304	-1	5.08	654	19.42
Red	B	APC-Alexa 700	70881	70592	-1	4.20	2883	9.19
Red	A	APC-Cy7	61146	61372	0	5.15	2326	15.51
561 Yellow-Green	E	DsRed	118653	118188	-1	2.52	3029	7.77
561 Yellow-Green	D	PE-Texas Red	101436	101148	-1	3.07	2383	12.44
561 Yellow-Green	C	7-AAD	78717	78350	-1	3.64	2917	13.19
561 Yellow-Green	B	PE-Cy5-5	67052	66745	-1	4.06	2781	11.44
561 Yellow-Green	A	PE-Cy7	9927	9443	-5	4.70	336	15.35

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20274	5.73	390	-10	N/A	N/A	Pass
Blue	C	SSC	56072	9.21	364	5	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	143	50.52	638	1	0.0282	0	Pass
Blue	A	PerCP	79	81.05	625	-4	0.0041	333	Pass
Red	C	Alexa Fluor 647	100	51.69	583	5	0.0094	85	Pass
Red	B	APC-Alexa 700	438	22.74	626	-6	0.0099	0	Pass
Red	A	APC-Cy7	340	42.07	681	-10	0.0033	109	Pass
561 Yellow-Green	E	DsRed	659	16.91	663	-1	0.5862	0	Pass
561 Yellow-Green	D	PE-Texas Red	486	28.53	643	0	0.0414	0	Pass
561 Yellow-Green	C	7-AAD	441	37.30	732	-3	0.0428	39	Pass

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561 Yellow-Green	B	PE-Cy5-5	421	32.95	666	-12	0.0326	147	Pass
561 Yellow-Green	A	PE-Cy7	53	40.90	456	-14	0.0260	6	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	-72.91	-71.42	0.92
561 Yellow-Green	-34.98	-33.66	0.92
Blue	0.00	0.00	1.06

Window Extension:	2.00
FSC Area Scaling Factor:	0.93

Threshold

Threshold (FSC): 12673

Fluidics

Sheath Pressure:	24.75	Sample Pressure:	23.73
Nozzle Size:	100		

Comments