

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:	08/24/2021 09:56 AM
Cytometer Configuration:	100 microns 25PSI standard	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	124662	-1	2.33	124559	2.35
Blue	C	SSC	125000	124319	-1	3.36	124714	3.24
Blue	B	Alexa Fluor 488	27038	27136	0	3.01	621	18.50
Blue	A	PerCP	20137	20192	0	5.07	759	23.31
Red	C	Alexa Fluor 647	20177	19924	-2	4.17	683	18.91
Red	B	APC-Alexa 700	53518	52729	-2	3.54	2516	8.98
Red	A	APC-Cy7	50002	49835	-1	4.62	2328	15.76
561 Yellow-Green	E	DsRed	95457	94648	-1	2.30	2428	7.88
561 Yellow-Green	D	PE-Texas Red	82387	81876	-1	2.96	1918	12.56
561 Yellow-Green	C	7-AAD	61828	60977	-2	3.62	2337	13.27
561 Yellow-Green	B	PE-Cy5-5	54739	54346	-1	4.08	2523	11.79
561 Yellow-Green	A	PE-Cy7	10496	9741	-8	4.76	424	15.69

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18885	4.62	405	46	N/A	N/A	Pass
Blue	C	SSC	58910	2.90	362	9	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	108	54.17	614	13	0.0225	0	Pass
Blue	A	PerCP	96	77.35	639	15	0.0041	334	Pass
Red	C	Alexa Fluor 647	99	51.38	581	8	0.0095	64	Pass
Red	B	APC-Alexa 700	374	23.14	615	20	0.0082	205	Pass
Red	A	APC-Cy7	335	42.42	680	30	0.0025	106	Pass
561 Yellow-Green	E	DsRed	501	18.36	643	3	0.5667	0	Pass
561 Yellow-Green	D	PE-Texas Red	373	29.96	624	3	0.0409	0	Pass
561 Yellow-Green	C	7-AAD	345	39.02	711	6	0.0414	58	Pass

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561 Yellow-Green	B	PE-Cy5-5	366	35.61	660	11	0.0273	219	Pass
561 Yellow-Green	A	PE-Cy7	66	38.12	472	13	0.0193	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	-76.40	-75.93	0.99
561 Yellow-Green	-39.22	-38.79	0.96
Blue	0.00	0.00	1.05

Window Extension:	2.00
FSC Area Scaling Factor:	0.96

Threshold

Threshold (FSC): 10347

Fluidics

Sheath Pressure:	24.76	Sample Pressure:	23.80
Nozzle Size:	100		

Comments