

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:	07/12/2021 11:22 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	124136	-1	2.42	124125	2.41
Blue	C	SSC	125000	124112	-1	4.84	124416	4.74
Blue	B	Alexa Fluor 488	27038	26901	-1	3.81	614	19.28
Blue	A	PerCP	20137	20515	1	5.34	794	23.60
Red	C	Alexa Fluor 647	20177	19843	-2	5.64	676	19.52
Red	B	APC-Alexa 700	53518	52714	-2	5.10	2680	10.08
Red	A	APC-Cy7	50002	49531	-1	6.24	2528	16.44
561 Yellow-Green	E	DsRed	95457	95280	-1	2.27	2440	7.89
561 Yellow-Green	D	PE-Texas Red	82387	82366	-1	2.62	1932	12.61
561 Yellow-Green	C	7-AAD	61828	61920	0	3.26	2402	13.38
561 Yellow-Green	B	PE-Cy5-5	54739	54463	-1	3.59	2649	11.76
561 Yellow-Green	A	PE-Cy7	10496	9826	-7	4.71	469	15.70

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18768	5.19	407	48	N/A	N/A	Pass
Blue	C	SSC	59445	3.79	362	9	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	108	56.34	615	14	0.0211	0	Pass
Blue	A	PerCP	100	79.71	645	21	0.0039	389	Pass
Red	C	Alexa Fluor 647	107	51.27	583	10	0.0094	103	Pass
Red	B	APC-Alexa 700	434	22.89	623	28	0.0066	99	Pass
Red	A	APC-Cy7	410	40.86	690	40	0.0022	287	Pass
561 Yellow-Green	E	DsRed	516	17.81	646	6	0.5567	0	Pass
561 Yellow-Green	D	PE-Texas Red	386	30.02	629	8	0.0403	9	Pass
561 Yellow-Green	C	7-AAD	369	38.69	716	11	0.0397	64	Pass

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561 Yellow-Green	B	PE-Cy5-5	405	35.32	670	21	0.0256	274	Pass
561 Yellow-Green	A	PE-Cy7	76	38.92	481	22	0.0178	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	-75.87	-75.42	1.00
561 Yellow-Green	-38.97	-38.51	0.96
Blue	0.00	0.00	1.08

Window Extension:	2.00
FSC Area Scaling Factor:	0.97

Threshold

Threshold (FSC): 9985

Fluidics

Sheath Pressure:	24.74	Sample Pressure:	23.80
Nozzle Size:	100		

Comments