

Cytometer Performance Report

Cytometer:	FACSAriaII	User:	Administrator
Cytometer Name:	FACSAriaII	Institution:	N/A
Serial Number:	1	Software:	BD FACSDiva 8.0.1
Input Device:	Manual	Date:	03/22/2021 11:38 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	124867	-1	1.98	124784	1.98
Blue	C	SSC	125000	122600	-2	5.22	122946	5.21
Blue	B	Alexa Fluor 488	27038	26881	-1	3.98	615	17.92
Blue	A	PerCP	20137	19956	-1	5.59	719	23.01
Red	C	Alexa Fluor 647	20177	19814	-2	3.93	675	18.31
Red	B	APC-Alexa 700	53518	52536	-2	5.01	2226	8.75
Red	A	APC-Cy7	50002	49304	-2	6.31	1951	14.77
561 Yellow-Green	E	DsRed	95457	93899	-2	3.31	2403	8.36
561 Yellow-Green	D	PE-Texas Red	82387	81365	-2	3.42	1906	12.87
561 Yellow-Green	C	7-AAD	61828	61348	-1	4.19	2293	13.26
561 Yellow-Green	B	PE-Cy5-5	54739	53622	-3	5.23	2279	11.83
561 Yellow-Green	A	PE-Cy7	10496	9870	-6	7.17	363	15.38

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20805	3.37	353	-6	N/A	N/A	Pass
Blue	C	SSC	59754	4.11	354	1	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	109	56.55	602	1	0.0268	2	Pass
Blue	A	PerCP	91	76.88	623	-1	0.0045	352	Pass
Red	C	Alexa Fluor 647	108	45.73	570	-3	0.0101	22	Pass
Red	B	APC-Alexa 700	347	23.04	590	-5	0.0152	2032	Pass
Red	A	APC-Cy7	301	39.57	648	-2	0.0039	553	Pass
561 Yellow-Green	E	DsRed	526	18.26	641	1	0.5485	1	Pass
561 Yellow-Green	D	PE-Texas Red	393	29.87	623	2	0.0399	13	Pass
561 Yellow-Green	C	7-AAD	352	37.88	707	2	0.0440	62	Pass

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561 Yellow-Green	B	PE-Cy5-5	350	36.04	648	-1	0.0349	378	Pass
561 Yellow-Green	A	PE-Cy7	59	38.89	458	-1	0.0293	27	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	-75.46	-74.83	1.02
561 Yellow-Green	-38.68	-38.12	0.97
Blue	0.00	0.00	1.13

Window Extension:	2.00
FSC Area Scaling Factor:	0.94

Threshold

Threshold (FSC): 10505

Fluidics

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

Comments