

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: 03/02/2020 10:50 AM
 Cytometer Baseline: 01/06/2020 04:02 PM
 P/F: Pass

Setup Beads

Bead Product: CST Setup Beads Part #: 910858
 Lot ID: 83326 Expiration Date: 11/30/2020
 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	124220	-1	2.94	124380	2.97
Blue	C	SSC	125000	123155	-2	4.17	123837	4.15
Blue	B	Alexa Fluor 488	29683	29246	-2	3.88	727	18.17
Blue	A	PerCP	28186	28264	0	5.90	839	26.88
Red	C	Alexa Fluor 647	20935	20351	-3	4.13	574	19.79
Red	B	APC-Alexa 700	64225	62988	-2	4.70	1925	9.37
Red	A	APC-Cy7	56829	56790	-1	6.13	1567	16.34
561 Yellow-Green	E	DsRed	99854	99440	-1	1.95	2436	7.86
561 Yellow-Green	D	PE-Texas Red	76183	76068	-1	2.42	1692	12.54
561 Yellow-Green	C	7-AAD	75562	74985	-1	3.01	2295	13.58
561 Yellow-Green	B	PE-Cy5-5	59959	59521	-1	4.15	1932	11.60
561 Yellow-Green	A	PE-Cy7	13836	13054	-6	6.27	347	14.95

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16661	6.47	402	-21	N/A	N/A	Pass
Blue	C	SSC	57166	4.13	367	3	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	117	56.91	627	-7	0.0209	0	Pass
Blue	A	PerCP	131	78.80	660	-5	0.0035	338	Pass
Red	C	Alexa Fluor 647	111	46.25	573	-6	0.0102	60	Pass
Red	B	APC-Alexa 700	473	18.89	598	-4	0.0116	988	Pass
Red	A	APC-Cy7	391	32.90	650	-6	0.0034	149	Pass
561 Yellow-Green	E	DsRed	534	17.77	644	-3	0.5322	0	Pass
561 Yellow-Green	D	PE-Texas Red	351	29.57	613	-3	0.0392	13	Pass
561 Yellow-Green	C	7-AAD	471	33.05	716	-7	0.0382	27	Pass

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Cytometer Name:	FACSAriaII	Institution:	N/A
Serial Number:	1	Software:	BD FACSDiva 8.0.1
Input Device:	Manual	Date:	03/02/2020 10:50 AM
Cytometer Configuration:	100 microns 25PSI standard	Cytometer Baseline:	01/06/2020 04:02 PM
		P/F:	Pass

561 Yellow-Green	B	PE-Cy5-5	433	27.73	638	-8	0.0346	295	Pass
561 Yellow-Green	A	PE-Cy7	86	31.03	457	-10	0.0323	50	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	-72.44	-71.94	1.02
561 Yellow-Green	-37.71	-37.14	1.00
Blue	0.00	0.00	1.19

Window Extension:	2.00
FSC Area Scaling Factor:	1.03

Threshold

Threshold (FSC): 9594

Fluidics

Sheath Pressure:	24.79	Sample Pressure:	23.79
Nozzle Size:	100		

Comments