

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: 04/10/2017 11:33 AM
 Cytometer Baseline: 01/23/2017 11:58 AM
 P/F: Pass

Setup Beads

Bead Product: CST Setup Beads Part #: 910858
 Lot ID: 77840 Expiration Date: 04/30/2017
 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	125424	0	2.41	125727	2.38
Blue	C	SSC	125000	123351	-2	4.01	124625	4.04
Blue	B	Alexa Fluor 488	24259	23923	-2	3.13	564	18.64
Blue	A	PerCP	32944	33183	0	4.70	880	22.18
Red	C	Alexa Fluor 647	25168	24763	-2	4.09	668	22.34
Red	B	APC-Alexa 700	79842	79069	-1	2.73	2127	9.93
Red	A	APC-Cy7	70914	70661	-1	3.75	1719	17.46
561 Yellow-Green	E	DsRed	93811	93870	0	2.36	2442	8.71
561 Yellow-Green	D	PE-Texas Red	71426	71063	-1	2.86	1704	14.37
561 Yellow-Green	C	7-AAD	77597	77181	-1	2.90	2231	14.57
561 Yellow-Green	B	PE-Cy5-5	73870	73753	-1	3.02	2109	13.06
561 Yellow-Green	A	PE-Cy7	22072	21184	-5	5.26	488	17.00

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	15372	3.15	333	-2	N/A	N/A	Pass
Blue	C	SSC	64236	3.28	363	4	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	94	54.72	587	1	0.0191	0	Pass
Blue	A	PerCP	137	61.98	634	1	0.0043	241	Pass
Red	C	Alexa Fluor 647	127	51.00	598	-5	0.0067	6	Pass
Red	B	APC-Alexa 700	445	21.66	619	-3	0.0058	137	Pass
Red	A	APC-Cy7	364	38.72	675	-4	0.0022	91	Pass
561 Yellow-Green	E	DsRed	518	19.69	666	-2	0.3801	0	Pass
561 Yellow-Green	D	PE-Texas Red	331	33.44	637	-2	0.0267	0	Pass
561 Yellow-Green	C	7-AAD	411	36.80	727	-5	0.0301	60	Pass

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:	04/10/2017 11:33 AM
Cytometer Configuration:	100 microns 25PSI standard	Cytometer Baseline:	01/23/2017 11:58 AM
		P/F:	Pass

561 Yellow-Green	B	PE-Cy5-5	403	31.82	662	-3	0.0196	121	Pass
561 Yellow-Green	A	PE-Cy7	103	35.30	489	-3	0.0188	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	-74.29	-72.98	1.02
561 Yellow-Green	-39.03	-37.62	0.98
Blue	0.00	0.00	1.13

Window Extension:	2.00
FSC Area Scaling Factor:	0.80

Threshold

Threshold (FSC): 9739

Fluidics

Sheath Pressure:	24.80	Sample Pressure:	23.84
Nozzle Size:	100		

Comments