

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: 07/03/2017 11:14 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 (Expired)
 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	125773	0	1.82	125921	1.82
Blue	C	SSC	125000	123039	-2	3.30	124187	3.36
Blue	B	Alexa Fluor 488	24259	23878	-2	2.91	564	19.15
Blue	A	PerCP	32944	32698	-1	5.20	904	23.02
Red	C	Alexa Fluor 647	25168	25498	1	4.09	697	22.53
Red	B	APC-Alexa 700	79842	80419	0	4.56	2299	9.89
Red	A	APC-Cy7	70914	71095	0	5.96	1889	18.22
561 Yellow-Green	E	DsRed	93811	92946	-1	4.59	2362	9.78
561 Yellow-Green	D	PE-Texas Red	71426	70970	-1	4.86	1682	15.27
561 Yellow-Green	C	7-AAD	77597	75989	-3	5.26	2218	15.36
561 Yellow-Green	B	PE-Cy5-5	73870	72417	-2	6.50	2172	13.29
561 Yellow-Green	A	PE-Cy7	22072	20718	-7	7.36	526	17.27

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	15429	3.14	341	6	N/A	N/A	Pass
Blue	C	SSC	62963	3.05	366	7	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	93	62.79	592	6	0.0194	82	Pass
Blue	A	PerCP	137	70.54	641	8	0.0040	486	Pass
Red	C	Alexa Fluor 647	128	54.87	606	3	0.0066	81	Pass
Red	B	APC-Alexa 700	484	21.62	635	13	0.0070	1510	Pass
Red	A	APC-Cy7	398	40.54	694	15	0.0020	449	Pass
561 Yellow-Green	E	DsRed	509	20.69	666	-2	0.3710	0	Pass
561 Yellow-Green	D	PE-Texas Red	337	35.89	638	-1	0.0264	51	Pass
561 Yellow-Green	C	7-AAD	413	39.77	732	0	0.0305	138	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:	07/03/2017 11:14 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	420	31.57	671	6	0.0239	321	Pass
561 Yellow-Green	A	PE-Cy7	112	37.39	499	7	0.0193	65	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	-74.56	-73.68	1.01
561 Yellow-Green	-38.86	-38.01	0.97
Blue	0.00	0.00	1.11

Window Extension:	2.00
FSC Area Scaling Factor:	0.84

Threshold

Threshold (FSC): 9625

Fluidics

Sheath Pressure:	24.79	Sample Pressure:	23.83
Nozzle Size:	100		

Comments