

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: 02/05/2018 11:21 AM
 Cytometer Baseline: 02/01/2018 10:15 AM
 P/F: Pass

Setup Beads

Bead Product: CST Setup Beads Part #: 910858
 Lot ID: 70106 Expiration Date: 01/31/2018 (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	124179	-1	1.28	124320	1.29
Blue	C	SSC	125000	125721	0	2.21	126936	2.28
Blue	B	Alexa Fluor 488	28577	28192	-2	2.32	775	13.05
Blue	A	PerCP	46788	46334	-1	3.90	1044	18.14
Red	C	Alexa Fluor 647	30278	29996	-1	3.01	809	16.63
Red	B	APC-Alexa 700	132138	131325	-1	2.41	2820	7.56
Red	A	APC-Cy7	121354	121001	-1	3.13	2198	13.63
561 Yellow-Green	E	DsRed	85861	85381	-1	1.66	2532	6.76
561 Yellow-Green	D	PE-Texas Red	70915	70511	-1	2.06	1935	10.81
561 Yellow-Green	C	7-AAD	98107	96757	-2	2.42	2555	11.30
561 Yellow-Green	B	PE-Cy5-5	113747	112737	-1	2.40	2568	10.35
561 Yellow-Green	A	PE-Cy7	33071	32133	-3	2.97	538	12.06

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16524	1.49	300	-3	N/A	N/A	Pass
Blue	C	SSC	61291	1.51	335	-3	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	114	46.73	570	-4	0.0389	0	Pass
Blue	A	PerCP	155	52.19	608	-4	0.0062	265	Pass
Red	C	Alexa Fluor 647	154	39.40	568	2	0.0109	89	Pass
Red	B	APC-Alexa 700	504	17.46	596	2	0.0090	241	Pass
Red	A	APC-Cy7	379	33.79	648	4	0.0030	205	Pass
561 Yellow-Green	E	DsRed	499	16.20	624	-4	0.6218	0	Pass
561 Yellow-Green	D	PE-Texas Red	355	27.07	603	-4	0.0444	9	Pass
561 Yellow-Green	C	7-AAD	423	29.58	688	-6	0.0404	20	Pass

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: 02/05/2018 11:21 AM
Cytometer Baseline: 02/01/2018 10:15 AM
P/F: Pass

561 Yellow-Green	B	PE-Cy5-5	416	28.99	650	-5	0.0276	235	Pass
561 Yellow-Green	A	PE-Cy7	90	30.33	457	-4	0.0305	5	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	-69.25	-68.94	1.08
561 Yellow-Green	-36.06	-35.62	1.03
Blue	0.00	0.00	1.24

Window Extension: 2.00
FSC Area Scaling Factor: 0.98

Threshold

Threshold (FSC): 9766

Fluidics

Sheath Pressure: 24.82 Sample Pressure: 23.77
Nozzle Size: 100

Comments