

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: 02/01/2018 10:18 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	124702	-1	1.51	124841	1.48
Blue	C	SSC	125000	125567	0	2.49	126802	2.57
Blue	B	Alexa Fluor 488	28577	28180	-2	2.5	774	13.52
Blue	A	PerCP	46788	46088	-2	4.04	1032	18.15
Red	C	Alexa Fluor 647	30278	29692	-2	3.05	802	16.38
Red	B	APC-Alexa 700	132138	131111	-1	2.3	2761	7.44
Red	A	APC-Cy7	121354	120628	-1	2.99	2156	13.32
561 Yellow-Green	E	DsRed	85861	85785	-1	1.72	2546	6.87
561 Yellow-Green	D	PE-Texas Red	70915	70823	-1	2.14	1947	11.33
561 Yellow-Green	C	7-AAD	98107	97873	-1	2.37	2584	11.18
561 Yellow-Green	B	PE-Cy5-5	113747	113378	-1	2.44	2560	10.63
561 Yellow-Green	A	PE-Cy7	33071	31925	-4	2.76	526	13.01

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16708	1.76	304	1	N/A	N/A	Pass
Blue	C	SSC	60523	2.03	336	-2	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	112	47.25	573	-1	0.0353	0	Pass
Blue	A	PerCP	151	53.47	611	-1	0.0063	308	Pass
Red	C	Alexa Fluor 647	152	37.85	565	-1	0.0111	37	Pass
Red	B	APC-Alexa 700	484	17.87	594	0	0.0096	577	Pass
Red	A	APC-Cy7	368	33.48	644	0	0.0032	259	Pass
561 Yellow-Green	E	DsRed	493	16.95	628	0	0.6096	1	Pass
561 Yellow-Green	D	PE-Texas Red	349	27.83	607	0	0.0398	0	Pass
561 Yellow-Green	C	7-AAD	421	29.94	694	0	0.0415	32	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: 02/01/2018 10:18 AM
Cytometer Baseline: 02/01/2018 10:15 AM
P/F: Pass

561 Yellow-Green	B	PE-Cy5-5	404	29.35	655	0	0.0258	160	Pass
561 Yellow-Green	A	PE-Cy7	86	31.77	459	-2	0.0256	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	-69.00	-68.53	1.08
561 Yellow-Green	-36.02	-35.30	1.03
Blue	0.00	0.00	1.24

Window Extension: 2.00
FSC Area Scaling Factor: 0.97

Threshold

Threshold (FSC): 12553

Fluidics

Sheath Pressure: 24.86 Sample Pressure: 23.77
Nozzle Size: 100

Comments