

Cytometer Performance Report

Cytometer: FACSriaII
Cytometer Name: FACSriaIIIu
Serial Number: 1
Input Device: Manual
Cytometer Configuration: 100 microns 25PSI standard

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.1
Date: 11/09/2015 11:23 AM
Cytometer Baseline: 10/19/2015 04:27 PM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads Part #: 910858
Lot ID: 82950 Expiration Date: 03/31/2016
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	126669	1	4.41	126995	4.39
Blue	C	SSC	125000	122326	-3	4.54	123485	4.53
Blue	B	Alexa Fluor 488	21893	21565	-2	4.19	492	17.71
Blue	A	PerCP	28999	28854	-1	5.91	561	25.86
Red	C	Alexa Fluor 647	24023	23789	-1	5.74	461	25.93
Red	B	APC-Alexa 700	95610	94605	-2	4.36	1632	12.16
Red	A	APC-Cy7	84656	84173	-1	5.09	1271	21.23
561 Yellow-Green	E	DsRed	88087	87550	-1	2.02	1954	9.13
561 Yellow-Green	D	PE-Texas Red	79386	79161	-1	2.65	1555	16.4
561 Yellow-Green	C	7-AAD	82932	82184	-1	2.76	1720	16.71
561 Yellow-Green	B	PE-Cy5-5	83720	83558	-1	3.02	1617	17.87
561 Yellow-Green	A	PE-Cy7	22282	21638	-3	3.02	320	17.5

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	12328	7.56	336	2	N/A	N/A	Pass
Blue	C	SSC	65696	5.23	360	5	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	95	48.86	569	1	0.0236	0	Pass
Blue	A	PerCP	108	63.75	613	0	0.0043	205	Pass
Red	C	Alexa Fluor 647	124	50.66	598	-3	0.0076	49	Pass
Red	B	APC-Alexa 700	400	22.99	611	-7	0.0055	0	Pass
Red	A	APC-Cy7	304	42.86	674	-4	0.0021	0	Pass
561 Yellow-Green	E	DsRed	573	16.96	652	-6	0.3939	0	Pass
561 Yellow-Green	D	PE-Texas Red	429	31.92	661	7	0.0239	0	Pass
561 Yellow-Green	C	7-AAD	417	36.71	712	-12	0.0305	66	Pass

Cytometer Performance Report

Cytometer: FACSriaII
Cytometer Name: FACSriaIIIu
Serial Number: 1
Input Device: Manual
Cytometer Configuration: 100 microns 25PSI standard

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.1
Date: 11/09/2015 11:23 AM
Cytometer Baseline: 10/19/2015 04:27 PM
P/F: Pass

561 Yellow-Green	B	PE-Cy5-5	375	40.9	697	39	0.0140	173	Pass
561 Yellow-Green	A	PE-Cy7	74	37.56	476	-7	0.0231	2	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	-72.25	-71.29	1.03
561 Yellow-Green	-37.81	-36.88	0.99
Blue	0.00	0.00	1.09

Window Extension: 2.00
FSC Area Scaling Factor: 0.84

Threshold

Threshold (FSC): 10410

Fluidics

Sheath Pressure: 24.80 Sample Pressure: 23.79
Nozzle Size: 100

Comments