

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: 03/20/2017 11:35 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	124998	-1	2.25	125255	2.21
Blue	C	SSC	125000	122491	-3	3.29	123741	3.23
Blue	B	Alexa Fluor 488	24259	23796	-2	3.03	571	17.03
Blue	A	PerCP	32944	32918	-1	4.70	887	21.94
Red	C	Alexa Fluor 647	25168	24867	-2	4.89	674	22.62
Red	B	APC-Alexa 700	79842	79206	-1	4.35	2151	10.32
Red	A	APC-Cy7	70914	70823	-1	5.40	1746	17.82
561 Yellow-Green	E	DsRed	93811	93488	-1	2.66	2442	8.54
561 Yellow-Green	D	PE-Texas Red	71426	70930	-1	3.10	1710	13.97
561 Yellow-Green	C	7-AAD	77597	77257	-1	3.16	2230	14.31
561 Yellow-Green	B	PE-Cy5-5	73870	73427	-1	3.55	2112	12.28
561 Yellow-Green	A	PE-Cy7	22072	21193	-4	5.85	500	16.89

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	15540	2.79	334	-1	N/A	N/A	Pass
Blue	C	SSC	63434	3.04	362	3	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	104	49.96	586	0	0.0238	0	Pass
Blue	A	PerCP	140	62.17	632	-1	0.0044	310	Pass
Red	C	Alexa Fluor 647	124	53.47	601	-2	0.0067	43	Pass
Red	B	APC-Alexa 700	453	21.66	621	-1	0.0061	299	Pass
Red	A	APC-Cy7	372	39.29	681	2	0.0022	284	Pass
561 Yellow-Green	E	DsRed	533	18.84	663	-5	0.4048	0	Pass
561 Yellow-Green	D	PE-Texas Red	343	33.14	635	-4	0.0290	31	Pass
561 Yellow-Green	C	7-AAD	419	35.76	725	-7	0.0317	64	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: 03/20/2017 11:35 AM
Cytometer Baseline: 01/23/2017 11:58 AM
P/F: Pass

561 Yellow-Green	B	PE-Cy5-5	408	30.37	660	-5	0.0235	200	Pass
561 Yellow-Green	A	PE-Cy7	106	35.69	489	-3	0.0195	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	-73.57	-72.69	1.02
561 Yellow-Green	-38.33	-37.49	0.98
Blue	0.00	0.00	1.13

Window Extension: 2.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 10034

Fluidics

Sheath Pressure: 24.84 Sample Pressure: 23.83
Nozzle Size: 100

Comments