

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: 10/22/2018 10:54 AM
Cytometer Baseline: 07/23/2018 03:46 PM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910858
Lot ID: 72518 **Expiration Date:** 09/30/2019
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	124431	-1	1.54	124498	1.56
Blue	C	SSC	125000	123511	-2	2.16	124544	2.14
Blue	B	Alexa Fluor 488	29033	28727	-2	2.32	716	14.85
Blue	A	PerCP	32923	32376	-2	4.35	933	20.35
Red	C	Alexa Fluor 647	23888	23845	-1	3.52	631	19.59
Red	B	APC-Alexa 700	79008	79582	0	3.84	2643	8.21
Red	A	APC-Cy7	69641	70878	1	5.12	2156	14.30
561 Yellow-Green	E	DsRed	90846	90600	-1	1.61	2262	7.07
561 Yellow-Green	D	PE-Texas Red	78468	77974	-1	2.01	1780	11.72
561 Yellow-Green	C	7-AAD	78834	78582	-1	2.48	2468	11.78
561 Yellow-Green	B	PE-Cy5-5	68459	68049	-1	3.67	2299	11.33
561 Yellow-Green	A	PE-Cy7	18684	17741	-6	5.46	507	12.61

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17789	3.10	320	20	N/A	N/A	Pass
Blue	C	SSC	59365	1.74	343	10	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	112	49.42	586	9	0.0317	0	Pass
Blue	A	PerCP	135	58.01	620	4	0.0051	193	Pass
Red	C	Alexa Fluor 647	105	47.44	572	7	0.0090	1	Pass
Red	B	APC-Alexa 700	385	20.72	594	2	0.0106	580	Pass
Red	A	APC-Cy7	307	38.21	653	7	0.0030	197	Pass
561 Yellow-Green	E	DsRed	524	15.67	624	-1	0.6289	0	Pass
561 Yellow-Green	D	PE-Texas Red	381	26.77	602	-5	0.0422	0	Pass
561 Yellow-Green	C	7-AAD	402	31.77	690	-9	0.0444	38	Pass

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561 Yellow-Green	B	PE-Cy5-5	335	33.55	647	-15	0.0260	228	Pass
561 Yellow-Green	A	PE-Cy7	74	32.50	452	-10	0.0327	6	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	-70.39	-69.60	1.06
561 Yellow-Green	-36.68	-35.86	1.03
Blue	0.00	0.00	1.18

Window Extension: 2.00
FSC Area Scaling Factor: 0.96

Threshold

Threshold (FSC): 12961

Fluidics

Sheath Pressure: 24.74 Sample Pressure: 23.76
Nozzle Size: 100

Comments