

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: 08/22/2016 01:50 PM
Cytometer Baseline: 07/05/2016 09:47 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	123767	-1	2.88	123849	2.89
Blue	C	SSC	125000	122955	-2	3.58	124153	3.76
Blue	B	Alexa Fluor 488	24248	23623	-3	3.25	554	17.19
Blue	A	PerCP	33887	33417	-2	4.89	939	22.33
Red	C	Alexa Fluor 647	25051	24647	-2	4.51	677	21.88
Red	B	APC-Alexa 700	81413	80633	-1	3.11	2464	10.00
Red	A	APC-Cy7	71355	70521	-2	3.94	2047	17.79
561 Yellow-Green	E	DsRed	88389	87332	-2	2.60	2288	8.84
561 Yellow-Green	D	PE-Texas Red	74661	73775	-2	3.11	1741	14.46
561 Yellow-Green	C	7-AAD	84478	83490	-2	3.28	2484	14.35
561 Yellow-Green	B	PE-Cy5-5	76749	76156	-1	3.12	2395	12.21
561 Yellow-Green	A	PE-Cy7	18983	18014	-6	3.78	494	16.18

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	15524	3.87	333	-2	N/A	N/A	Pass
Blue	C	SSC	63484	3.19	365	6	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	92	52.33	582	-2	0.0235	0	Pass
Blue	A	PerCP	150	61.24	639	5	0.0040	248	Pass
Red	C	Alexa Fluor 647	126	52.61	598	-5	0.0071	82	Pass
Red	B	APC-Alexa 700	524	20.48	633	11	0.0050	0	Pass
Red	A	APC-Cy7	444	37.75	697	20	0.0017	0	Pass
561 Yellow-Green	E	DsRed	510	18.53	655	-6	0.3623	0	Pass
561 Yellow-Green	D	PE-Texas Red	345	34.12	640	-5	0.0274	18	Pass
561 Yellow-Green	C	7-AAD	467	35.51	736	-1	0.0305	58	Pass

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561 Yellow-Green	B	PE-Cy5-5	466	29.65	667	4	0.0209	171	Pass
561 Yellow-Green	A	PE-Cy7	107	33.70	489	8	0.0167	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	-72.38	1.02
561 Yellow-Green	-38.45	-37.48	0.98
Blue	0.00	0.00	1.09

Window Extension: 2.00
FSC Area Scaling Factor: 0.83

Threshold

Threshold (FSC): 10837

Fluidics

Sheath Pressure: 24.87 Sample Pressure: 23.79
Nozzle Size: 100

Comments