

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: 10/17/2016 11:35 AM
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	124507	-1	3.71	124665	3.68
Blue	C	SSC	125000	122397	-3	3.89	123707	3.94
Blue	B	Alexa Fluor 488	24248	23755	-3	3.84	562	17.41
Blue	A	PerCP	33887	33753	-1	5.24	906	22.67
Red	C	Alexa Fluor 647	25051	24596	-2	4.90	671	22.65
Red	B	APC-Alexa 700	81413	80294	-2	3.81	2187	10.39
Red	A	APC-Cy7	71355	70716	-1	4.63	1758	17.80
561 Yellow-Green	E	DsRed	88389	87404	-2	2.47	2265	8.85
561 Yellow-Green	D	PE-Texas Red	74661	73845	-2	3.01	1761	14.20
561 Yellow-Green	C	7-AAD	84478	83880	-1	3.20	2426	15.13
561 Yellow-Green	B	PE-Cy5-5	76749	75734	-2	3.29	2191	12.35
561 Yellow-Green	A	PE-Cy7	18983	18063	-5	4.08	428	16.06

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16589	8.75	338	3	N/A	N/A	Pass
Blue	C	SSC	62995	3.96	363	4	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	93	52.33	587	3	0.0229	0	Pass
Blue	A	PerCP	140	64.86	641	7	0.0041	313	Pass
Red	C	Alexa Fluor 647	121	54.36	602	-1	0.0066	54	Pass
Red	B	APC-Alexa 700	458	21.32	624	2	0.0054	0	Pass
Red	A	APC-Cy7	373	38.68	679	2	0.0021	2	Pass
561 Yellow-Green	E	DsRed	492	19.91	665	4	0.3751	0	Pass
561 Yellow-Green	D	PE-Texas Red	352	34.47	644	-1	0.0286	53	Pass
561 Yellow-Green	C	7-AAD	452	37.15	745	8	0.0277	42	Pass

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561 Yellow-Green	B	PE-Cy5-5	419	31.05	669	6	0.0228	213	Pass
561 Yellow-Green	A	PE-Cy7	90	33.84	479	-2	0.0199	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	-73.36	-72.29	1.02
561 Yellow-Green	-38.28	-37.35	0.99
Blue	0.00	0.00	1.10

Window Extension: 2.00
FSC Area Scaling Factor: 0.84

Threshold

Threshold (FSC): 9799

Fluidics

Sheath Pressure: 24.73 Sample Pressure: 23.79
Nozzle Size: 100

Comments