

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: 12/11/2017 11:18 AM
 Cytometer Baseline: 10/20/2017 01:51 PM
 P/F: Pass

Setup Beads

Bead Product: CST Setup Beads Part #: 910858
 Lot ID: 70106 Expiration Date: 01/31/2018
 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	124964	-1	1.27	125156	1.29
Blue	C	SSC	125000	123801	-1	2.56	125103	2.54
Blue	B	Alexa Fluor 488	27498	27223	-2	2.46	746	13.68
Blue	A	PerCP	36112	36168	0	5.03	809	20.34
Red	C	Alexa Fluor 647	28741	29171	1	3.64	774	19.72
Red	B	APC-Alexa 700	141071	142160	0	4.28	2953	8.50
Red	A	APC-Cy7	131206	132085	0	5.87	2389	16.10
561 Yellow-Green	E	DsRed	87112	86665	-1	2.28	2516	8.09
561 Yellow-Green	D	PE-Texas Red	73278	72852	-1	2.81	1977	12.48
561 Yellow-Green	C	7-AAD	120414	119007	-2	3.36	3115	12.89
561 Yellow-Green	B	PE-Cy5-5	118969	119366	0	4.77	2706	10.65
561 Yellow-Green	A	PE-Cy7	36384	35560	-3	5.35	593	14.25

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	14539	2.49	342	-3	N/A	N/A	Pass
Blue	C	SSC	64055	2.04	363	3	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	112	42.57	600	-4	0.0324	0	Pass
Blue	A	PerCP	122	60.65	621	-7	0.0051	420	Pass
Red	C	Alexa Fluor 647	148	46.45	600	-3	0.0078	77	Pass
Red	B	APC-Alexa 700	518	19.56	637	-5	0.0091	1161	Pass
Red	A	APC-Cy7	409	38.77	696	-1	0.0023	279	Pass
561 Yellow-Green	E	DsRed	501	18.89	660	-7	0.4480	0	Pass
561 Yellow-Green	D	PE-Texas Red	363	31.94	639	-7	0.0351	55	Pass
561 Yellow-Green	C	7-AAD	520	33.62	746	-14	0.0326	38	Pass

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561 Yellow-Green	B	PE-Cy5-5	443	28.10	664	-12	0.0317	287	Pass
561 Yellow-Green	A	PE-Cy7	100	34.21	486	-11	0.0239	8	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	-75.20	-74.68	0.99
561 Yellow-Green	-39.15	-38.65	0.97
Blue	0.00	0.00	1.11

Window Extension: 2.00
FSC Area Scaling Factor: 0.86

Threshold

Threshold (FSC): 9885

Fluidics

Sheath Pressure: 24.80 Sample Pressure: 23.76
Nozzle Size: 100

Comments