

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: 11/06/2017 03:24 PM
 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	124075	-1	1.79	124260	1.81
Blue	C	SSC	125000	122829	-2	3.45	124119	3.58
Blue	B	Alexa Fluor 488	27498	26993	-2	3.06	738	15.46
Blue	A	PerCP	36112	35777	-1	4.86	798	21.24
Red	C	Alexa Fluor 647	28741	28172	-2	3.42	748	19.68
Red	B	APC-Alexa 700	141071	139146	-2	2.24	2863	8.62
Red	A	APC-Cy7	131206	128595	-2	3.14	2287	15.93
561 Yellow-Green	E	DsRed	87112	86285	-1	2.89	2511	8.58
561 Yellow-Green	D	PE-Texas Red	73278	72858	-1	3.39	1981	13.58
561 Yellow-Green	C	7-AAD	120414	118917	-2	3.63	3105	13.55
561 Yellow-Green	B	PE-Cy5-5	118969	118334	-1	3.79	2655	11.22
561 Yellow-Green	A	PE-Cy7	36384	35340	-3	4.00	579	14.73

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	14578	2.46	340	-5	N/A	N/A	Pass
Blue	C	SSC	64287	2.91	362	2	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	110	51.44	600	-4	0.0266	0	Pass
Blue	A	PerCP	118	62.13	619	-9	0.0046	319	Pass
Red	C	Alexa Fluor 647	142	46.98	596	-7	0.0078	91	Pass
Red	B	APC-Alexa 700	499	20.54	631	-11	0.0065	118	Pass
Red	A	APC-Cy7	395	39.13	688	-9	0.0021	96	Pass
561 Yellow-Green	E	DsRed	498	19.73	662	-5	0.4119	0	Pass
561 Yellow-Green	D	PE-Texas Red	362	32.68	642	-4	0.0290	0	Pass
561 Yellow-Green	C	7-AAD	521	35.19	749	-11	0.0297	42	Pass

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561 Yellow-Green	B	PE-Cy5-5	437	29.78	665	-11	0.0251	195	Pass
561 Yellow-Green	A	PE-Cy7	99	34.88	487	-10	0.0207	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	-74.57	-73.81	1.00
561 Yellow-Green	-38.85	-38.00	0.98
Blue	0.00	0.00	1.13

Window Extension: 2.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 9681

Fluidics

Sheath Pressure: 24.84 Sample Pressure: 23.77
Nozzle Size: 100

Comments