

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: 10/23/2017 11:26 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	125152	0	2.26	125336	2.27
Blue	C	SSC	125000	121965	-3	2.97	123298	2.97
Blue	B	Alexa Fluor 488	27498	27196	-2	2.89	739	15.38
Blue	A	PerCP	36112	35285	-3	7.67	815	20.63
Red	C	Alexa Fluor 647	28741	28447	-2	3.61	763	19.72
Red	B	APC-Alexa 700	141071	125199	-12	8.7	2909	8.63
Red	A	APC-Cy7	131206	112829	-15	11.58	2345	15.42
561 Yellow-Green	E	DsRed	87112	86351	-1	2.48	2506	8.46
561 Yellow-Green	D	PE-Texas Red	73278	72663	-1	2.93	1966	13.06
561 Yellow-Green	C	7-AAD	120414	118194	-2	5.12	3172	13.23
561 Yellow-Green	B	PE-Cy5-5	118969	108489	-9	10.08	2685	11.23
561 Yellow-Green	A	PE-Cy7	36384	30596	-16	13.14	597	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	14283	5.22	342	-3	N/A	N/A	Pass
Blue	C	SSC	62925	2.44	363	3	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	110	49.42	601	-3	0.0261	0	Pass
Blue	A	PerCP	122	60.65	624	-4	0.0053	503	Pass
Red	C	Alexa Fluor 647	143	47.36	597	-6	0.0077	91	Pass
Red	B	APC-Alexa 700	509	20.27	633	-9	-0.0132	0	Pass
Red	A	APC-Cy7	405	38.25	689	-8	0.0061	7715	Pass
561 Yellow-Green	E	DsRed	496	19.48	662	-5	0.4092	0	Pass
561 Yellow-Green	D	PE-Texas Red	360	32.37	641	-5	0.0316	22	Pass
561 Yellow-Green	C	7-AAD	524	35.48	753	-7	0.0340	104	Pass

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561 Yellow-Green	B	PE-Cy5-5	444	29.85	668	-8	-0.7741	0	Pass
561 Yellow-Green	A	PE-Cy7	102	35.3	489	-8	0.2327	4838	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	-74.89	-74.14	1.00
561 Yellow-Green	-39.01	-38.21	0.97
Blue	0.00	0.00	1.11

Window Extension: 2.00
FSC Area Scaling Factor: 0.86

Threshold

Threshold (FSC): 9797

Fluidics

Sheath Pressure: 24.79 Sample Pressure: 23.77
Nozzle Size: 100

Comments