

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: 06/12/2017 11:05 AM
 Cytometer Baseline: 01/23/2017 11:58 AM
 P/F: Pass

Setup Beads

Bead Product: CST Setup Beads Part #: 910858
 Lot ID: 77840 Expiration Date: 04/30/2017 (Expired)
 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	125643	0	2.59	125771	2.61
Blue	C	SSC	125000	121756	-3	3.39	122956	3.37
Blue	B	Alexa Fluor 488	24259	24022	-1	3.13	564	17.56
Blue	A	PerCP	32944	32749	-1	5.29	910	22.48
Red	C	Alexa Fluor 647	25168	24901	-2	4.74	675	22.66
Red	B	APC-Alexa 700	79842	78406	-2	6.31	2284	10.73
Red	A	APC-Cy7	70914	70458	-1	7.74	1924	17.99
561 Yellow-Green	E	DsRed	93811	93111	-1	3.41	2396	9.26
561 Yellow-Green	D	PE-Texas Red	71426	70963	-1	3.85	1678	14.49
561 Yellow-Green	C	7-AAD	77597	75844	-3	4.26	2233	14.92
561 Yellow-Green	B	PE-Cy5-5	73870	72259	-3	6.01	2199	12.82
561 Yellow-Green	A	PE-Cy7	22072	20842	-6	9.19	542	17.68

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	15581	4.65	341	6	N/A	N/A	Pass
Blue	C	SSC	62515	3.08	365	6	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	94	55.17	591	5	0.0229	0	Pass
Blue	A	PerCP	142	62.73	642	9	0.0040	266	Pass
Red	C	Alexa Fluor 647	126	54.13	604	1	0.0067	71	Pass
Red	B	APC-Alexa 700	485	21.44	632	10	0.0070	1227	Pass
Red	A	APC-Cy7	410	39.78	693	14	0.0022	932	Pass
561 Yellow-Green	E	DsRed	516	19.95	667	-1	0.3635	0	Pass
561 Yellow-Green	D	PE-Texas Red	331	33.62	639	0	0.0278	9	Pass
561 Yellow-Green	C	7-AAD	413	36.98	731	-1	0.0295	63	Pass

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561 Yellow-Green	B	PE-Cy5-5	429	31.32	671	6	0.0253	405	Pass
561 Yellow-Green	A	PE-Cy7	116	35.53	499	7	0.0198	30	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	-74.99	-74.05	1.00
561 Yellow-Green	-39.20	-38.17	0.96
Blue	0.00	0.00	1.10

Window Extension: 2.00
FSC Area Scaling Factor: 0.82

Threshold

Threshold (FSC): 10603

Fluidics

Sheath Pressure: 24.74 Sample Pressure: 23.84
Nozzle Size: 100

Comments