

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: 07/24/2017 11:49 AM
 Cytometer Baseline: 07/24/2017 11:41 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	123829	-1	1.63	123918	1.61
Blue	C	SSC	125000	122247	-3	2.71	123445	2.70
Blue	B	Alexa Fluor 488	31298	31100	-1	2.71	721	15.99
Blue	A	PerCP	27564	27026	-2	4.95	790	22.52
Red	C	Alexa Fluor 647	24454	24005	-2	3.93	663	22.22
Red	B	APC-Alexa 700	85117	82356	-4	4.41	2724	9.66
Red	A	APC-Cy7	73321	70912	-4	5.82	2275	17.77
561 Yellow-Green	E	DsRed	94197	93517	-1	3.53	2379	9.22
561 Yellow-Green	D	PE-Texas Red	74315	73614	-1	3.84	1733	14.58
561 Yellow-Green	C	7-AAD	76420	75122	-2	4.40	2293	15.07
561 Yellow-Green	B	PE-Cy5-5	76230	74318	-3	5.30	2494	12.81
561 Yellow-Green	A	PE-Cy7	20902	19271	-8	6.69	586	17.08

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	14967	2.46	343	-4	N/A	N/A	Pass
Blue	C	SSC	62987	2.14	366	2	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	122	47.17	612	-2	0.0270	0	Pass
Blue	A	PerCP	122	64.70	634	-1	0.0038	336	Pass
Red	C	Alexa Fluor 647	124	53.04	604	0	0.0067	68	Pass
Red	B	APC-Alexa 700	593	20.53	652	2	0.0063	1614	Pass
Red	A	APC-Cy7	510	37.73	709	3	0.0017	369	Pass
561 Yellow-Green	E	DsRed	514	20.05	668	-1	0.3793	0	Pass
561 Yellow-Green	D	PE-Texas Red	349	32.81	643	-1	0.0273	0	Pass
561 Yellow-Green	C	7-AAD	433	37.23	744	0	0.0281	76	Pass

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561 Yellow-Green	B	PE-Cy5-5	493	32.06	690	1	0.0216	478	Pass
561 Yellow-Green	A	PE-Cy7	132	36.24	507	-2	0.0158	82	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	-74.36	-73.72	1.01
561 Yellow-Green	-38.67	-37.90	0.98
Blue	0.00	0.00	1.11

Window Extension: 2.00
FSC Area Scaling Factor: 0.84

Threshold

Threshold (FSC): 9697

Fluidics

Sheath Pressure: 24.73 Sample Pressure: 23.63
Nozzle Size: 100

Comments