

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: 06/19/2017 11:33 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	125829	0	2.06	125983	2.05
Blue	C	SSC	125000	121780	-3	4.66	123068	4.68
Blue	B	Alexa Fluor 488	24259	24100	-1	3.70	565	18.50
Blue	A	PerCP	32944	32746	-1	5.84	882	23.17
Red	C	Alexa Fluor 647	25168	25136	-1	4.99	677	22.62
Red	B	APC-Alexa 700	79842	78701	-2	6.49	2122	10.51
Red	A	APC-Cy7	70914	70308	-1	7.62	1715	18.38
561 Yellow-Green	E	DsRed	93811	94032	0	2.52	2417	8.70
561 Yellow-Green	D	PE-Texas Red	71426	71049	-1	3.09	1692	14.30
561 Yellow-Green	C	7-AAD	77597	77405	-1	3.67	2242	15.15
561 Yellow-Green	B	PE-Cy5-5	73870	72987	-2	4.89	2098	13.11
561 Yellow-Green	A	PE-Cy7	22072	20949	-6	7.12	490	16.73

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	15587	4.88	341	6	N/A	N/A	Pass
Blue	C	SSC	62964	4.29	365	6	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	93	61.05	592	6	0.0216	78	Pass
Blue	A	PerCP	132	70.42	640	7	0.0041	443	Pass
Red	C	Alexa Fluor 647	127	53.70	604	1	0.0068	70	Pass
Red	B	APC-Alexa 700	439	22.34	625	3	0.0091	2525	Pass
Red	A	APC-Cy7	358	39.87	680	1	0.0023	344	Pass
561 Yellow-Green	E	DsRed	523	19.80	667	-1	0.3966	2	Pass
561 Yellow-Green	D	PE-Texas Red	339	34.83	638	-1	0.0284	61	Pass
561 Yellow-Green	C	7-AAD	417	39.31	737	5	0.0291	105	Pass

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561 Yellow-Green	B	PE-Cy5-5	406	31.57	666	1	0.0219	202	Pass
561 Yellow-Green	A	PE-Cy7	104	37.07	491	-1	0.0228	92	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	-74.90	-73.91	1.00
561 Yellow-Green	-39.09	-38.11	0.97
Blue	0.00	0.00	1.10

Window Extension: 2.00
FSC Area Scaling Factor: 0.83

Threshold

Threshold (FSC): 10533

Fluidics

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

Comments