

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: 11/20/2017 11:15 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	124218	-1	2.17	124376	2.13
Blue	C	SSC	125000	122442	-3	2.55	123836	2.54
Blue	B	Alexa Fluor 488	27498	27071	-2	2.66	738	15.14
Blue	A	PerCP	36112	35940	-1	4.68	824	20.46
Red	C	Alexa Fluor 647	28741	28690	-1	3.51	765	19.50
Red	B	APC-Alexa 700	141071	140352	-1	4.10	3041	8.50
Red	A	APC-Cy7	131206	130804	-1	5.51	2496	15.57
561 Yellow-Green	E	DsRed	87112	86608	-1	2.03	2513	7.99
561 Yellow-Green	D	PE-Texas Red	73278	73222	-1	2.52	1987	12.73
561 Yellow-Green	C	7-AAD	120414	119591	-1	2.87	3170	12.90
561 Yellow-Green	B	PE-Cy5-5	118969	117987	-1	3.85	2768	10.76
561 Yellow-Green	A	PE-Cy7	36384	35146	-4	5.70	624	14.13

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	14564	4.77	341	-4	N/A	N/A	Pass
Blue	C	SSC	62971	2.02	363	3	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	108	49.42	600	-4	0.0268	0	Pass
Blue	A	PerCP	123	59.30	622	-6	0.0048	320	Pass
Red	C	Alexa Fluor 647	145	45.70	596	-7	0.0079	56	Pass
Red	B	APC-Alexa 700	531	20.03	637	-5	0.0084	1467	Pass
Red	A	APC-Cy7	427	38.71	696	-1	0.0024	623	Pass
561 Yellow-Green	E	DsRed	492	19.08	660	-7	0.4537	0	Pass
561 Yellow-Green	D	PE-Texas Red	361	31.57	640	-6	0.0325	12	Pass
561 Yellow-Green	C	7-AAD	524	34.86	748	-12	0.0318	61	Pass

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561 Yellow-Green	B	PE-Cy5-5	457	28.77	667	-9	0.0270	250	Pass
561 Yellow-Green	A	PE-Cy7	107	35.04	489	-8	0.0240	78	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	-74.98	-74.38	1.00
561 Yellow-Green	-39.03	-38.51	0.98
Blue	0.00	0.00	1.13

Window Extension: 2.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 9731

Fluidics

Sheath Pressure: 24.82 Sample Pressure: 23.77
Nozzle Size: 100

Comments