

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: 06/12/2018 03:37 PM
 Cytometer Baseline: 02/01/2018 10:15 AM
 P/F: Pass

Setup Beads

Bead Product: CST Setup Beads Part #: 910858
 Lot ID: 70106 Expiration Date: 01/31/2018 (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	123360	-2	1.91	123506	1.95
Blue	C	SSC	125000	123566	-2	3.39	124745	3.42
Blue	B	Alexa Fluor 488	28577	27528	-4	2.94	756	13.60
Blue	A	PerCP	46788	46344	-1	4.31	1029	17.87
Red	C	Alexa Fluor 647	30278	30442	0	3.58	813	17.35
Red	B	APC-Alexa 700	132138	133738	1	3.54	2762	8.24
Red	A	APC-Cy7	121354	124409	2	4.52	2204	14.24
561 Yellow-Green	E	DsRed	85861	85530	-1	1.74	2545	6.97
561 Yellow-Green	D	PE-Texas Red	70915	69828	-2	2.17	1925	11.44
561 Yellow-Green	C	7-AAD	98107	96853	-2	2.20	2543	11.06
561 Yellow-Green	B	PE-Cy5-5	113747	112558	-2	2.90	2528	9.98
561 Yellow-Green	A	PE-Cy7	33071	32266	-3	4.03	531	12.67

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17243	3.16	309	6	N/A	N/A	Pass
Blue	C	SSC	58235	3.74	339	1	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	108	48.35	577	3	0.0356	0	Pass
Blue	A	PerCP	149	52.53	611	-1	0.0066	295	Pass
Red	C	Alexa Fluor 647	151	41.47	576	10	0.0102	83	Pass
Red	B	APC-Alexa 700	475	18.82	599	5	0.0085	239	Pass
Red	A	APC-Cy7	376	34.82	658	14	0.0029	231	Pass
561 Yellow-Green	E	DsRed	504	16.37	627	-1	0.5774	0	Pass
561 Yellow-Green	D	PE-Texas Red	351	27.39	601	-6	0.0386	0	Pass
561 Yellow-Green	C	7-AAD	418	29.21	685	-9	0.0421	20	Pass

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561 Yellow-Green	B	PE-Cy5-5	410	27.19	634	-21	0.0312	198	Pass
561 Yellow-Green	A	PE-Cy7	88	31.03	456	-5	0.0292	0	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	-70.10	-69.34	1.06
561 Yellow-Green	-36.41	-35.70	1.03
Blue	0.00	0.00	1.18

Window Extension: 2.00
FSC Area Scaling Factor: 0.95

Threshold

Threshold (FSC): 11773

Fluidics

Sheath Pressure: 24.74 Sample Pressure: 23.77
Nozzle Size: 100

Comments