

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: 07/31/2017 11:20 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	123240	-2	2.12	123403	2.07
Blue	C	SSC	125000	110529	-12	2.53	111597	2.50
Blue	B	Alexa Fluor 488	31298	30903	-2	3.06	711	19.53
Blue	A	PerCP	27564	26789	-3	5.16	780	23.26
Red	C	Alexa Fluor 647	24454	24276	-1	4.06	668	22.24
Red	B	APC-Alexa 700	85117	83610	-2	4.58	2867	10.21
Red	A	APC-Cy7	73321	72403	-2	6.08	2437	18.50
561 Yellow-Green	E	DsRed	94197	92557	-2	2.26	2362	9.22
561 Yellow-Green	D	PE-Texas Red	74315	72784	-3	2.85	1719	14.68
561 Yellow-Green	C	7-AAD	76420	74529	-3	3.57	2310	15.51
561 Yellow-Green	B	PE-Cy5-5	76230	73474	-4	4.42	2540	13.43
561 Yellow-Green	A	PE-Cy7	20902	19199	-9	6.09	602	16.90

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	13498	2.95	343	-4	N/A	N/A	Pass
Blue	C	SSC	56076	1.99	362	-2	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	119	48.98	615	1	0.0162	0	Pass
Blue	A	PerCP	123	65.18	637	2	0.0036	303	Pass
Red	C	Alexa Fluor 647	111	55.11	606	2	0.0067	23	Pass
Red	B	APC-Alexa 700	537	22.50	658	8	0.0050	512	Pass
Red	A	APC-Cy7	461	41.64	719	13	0.0015	18	Pass
561 Yellow-Green	E	DsRed	441	21.41	666	-3	0.3342	0	Pass
561 Yellow-Green	D	PE-Texas Red	296	36.22	641	-3	0.0259	0	Pass
561 Yellow-Green	C	7-AAD	375	40.12	740	-4	0.0245	24	Pass

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561 Yellow-Green	B	PE-Cy5-5	414	35.25	690	1	0.0162	162	Pass
561 Yellow-Green	A	PE-Cy7	118	37.37	511	2	0.0148	12	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	-75.69	-74.65	0.98
561 Yellow-Green	-39.86	-38.86	0.97
Blue	0.00	0.00	1.06

Window Extension: 2.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 10067

Fluidics

Sheath Pressure: 24.88 Sample Pressure: 23.83
Nozzle Size: 100

Comments