

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: 05/30/2016 11:22 AM
Cytometer Baseline: 04/26/2016 09:22 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910858
Lot ID: 82950 **Expiration Date:** 03/31/2016 (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	124273	-1	2.46	124692	2.84
Blue	C	SSC	125000	125204	0	2.63	126322	2.82
Blue	B	Alexa Fluor 488	23483	23080	-2	2.69	533	16.20
Blue	A	PerCP	29631	29691	0	4.25	583	24.47
Red	C	Alexa Fluor 647	23800	23363	-2	3.93	457	24.77
Red	B	APC-Alexa 700	89291	88468	-1	2.30	1535	10.98
Red	A	APC-Cy7	79063	78553	-1	3.12	1204	19.98
561 Yellow-Green	E	DsRed	89499	89136	-1	1.74	1960	9.14
561 Yellow-Green	D	PE-Texas Red	76034	75618	-1	2.30	1477	15.29
561 Yellow-Green	C	7-AAD	86998	87003	0	2.54	1823	16.24
561 Yellow-Green	B	PE-Cy5-5	84542	83824	-1	2.32	1614	14.03
561 Yellow-Green	A	PE-Cy7	21961	21128	-4	2.77	316	17.30

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	15758	4.44	333	-1	N/A	N/A	Pass
Blue	C	SSC	70467	2.75	364	3	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	104	47.83	578	-1	0.0288	0	Pass
Blue	A	PerCP	115	63.33	614	0	0.0048	354	Pass
Red	C	Alexa Fluor 647	123	51.08	593	-3	0.0084	138	Pass
Red	B	APC-Alexa 700	378	23.09	615	-1	0.0066	358	Pass
Red	A	APC-Cy7	291	42.06	670	-1	0.0023	85	Pass
561 Yellow-Green	E	DsRed	585	17.20	653	-3	0.4005	0	Pass
561 Yellow-Green	D	PE-Texas Red	418	30.08	641	-3	0.0280	5	Pass
561 Yellow-Green	C	7-AAD	456	35.69	721	-4	0.0327	87	Pass

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561 Yellow-Green	B	PE-Cy5-5	385	32.26	654	-2	0.0239	220	Pass
561 Yellow-Green	A	PE-Cy7	77	36.11	474	-4	0.0232	1	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	-72.47	-71.99	1.03
561 Yellow-Green	-37.82	-37.24	1.00
Blue	0.00	0.00	1.12

Window Extension: 2.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 9787

Fluidics

Sheath Pressure: 24.80 Sample Pressure: 23.71
Nozzle Size: 100

Comments