

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V96300958
Input Device: Carousel
Setup Bead Position: 1
Cytometer Configuration: Canto II Config 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0
Date: 10/05/2015 09:26 AM
Cytometer Baseline: 06/08/2015 10:24 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910858
Lot ID: 82950 **Expiration Date:** 03/31/2016
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	124541	-1	2.96	124947	3.00
Blue	F	SSC	125000	123059	-2	3.32	124073	3.33
Blue	E	FITC	20752	19834	-5	3.61	482	25.53
Blue	D	PE	34971	34233	-3	2.84	676	18.37
Blue	B	PE-Cy5	59521	58523	-2	4.55	1148	28.82
Blue	A	PE-Cy7	45673	45277	-1	7.15	590	52.35
Red	C	APC	57794	57581	-1	2.68	1367	16.30
Red	A	APC-Cy7	53499	52637	-2	3.92	828	17.37
Violet	B	DAPI	11638	10958	-6	3.15	811	13.13
Violet	A	AmCyan	43958	41978	-5	2.62	1302	13.59

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	15922	10.64	587	14	N/A	N/A	Pass
Blue	F	SSC	61273	2.99	419	9	N/A	N/A	Pass
Blue	E	FITC	84	109.92	472	6	0.0173	1451	Pass
Blue	D	PE	172	56.54	512	10	0.1399	403	Pass
Blue	B	PE-Cy5	240	76.38	660	22	0.0057	350	Pass
Blue	A	PE-Cy7	116	140.85	712	36	0.0077	59	Pass
Red	C	APC	384	32.74	697	10	0.0186	192	Pass
Red	A	APC-Cy7	200	39.54	549	12	0.0033	935	Pass
Violet	B	DAPI	109	77.42	465	0	0.0511	5661	Pass
Violet	A	AmCyan	160	86.49	516	2	0.0184	12744	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.62	47.71 - 71.57	N/A	N/A	-29.81	-29.47	1.22
Blue	20.26	16.21 - 24.31	1.39	1.14 - 1.70	0.00	0.00	1.46
Red	16.82	13.20 - 19.80	N/A	N/A	28.69	28.95	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 10885

Fluidics

FACSFlow Pressure: 4.50 Sample Pressure: 4.30
Spec.: 4.40 - 4.60

Comments