

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: 04/03/2017 11:34 AM
Cytometer Baseline: 01/04/2017 03:58 PM
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	123841	-1	2.92	124030	2.91
Blue	F	SSC	125000	123679	-2	3.78	124402	3.83
Blue	E	FITC	20501	19699	-4	2.77	475	20.86
Blue	D	PE	34373	33684	-3	1.87	670	17.00
Blue	B	PE-Cy5	59337	58355	-2	4.56	1171	29.36
Blue	A	PE-Cy7	48989	48396	-2	6.90	639	51.84
Red	C	APC	60194	60087	-1	3.22	1425	18.62
Red	A	APC-Cy7	52685	51517	-3	4.00	830	19.87
Violet	B	DAPI	11362	10930	-4	2.44	746	11.77
Violet	A	AmCyan	47125	45763	-3	2.15	1424	9.49

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16931	12.91	581	-9	N/A	N/A	Pass
Blue	F	SSC	61272	3.67	428	7	N/A	N/A	Pass
Blue	E	FITC	86	72.91	472	-2	0.0185	432	Pass
Blue	D	PE	169	49.84	514	0	0.1349	262	Pass
Blue	B	PE-Cy5	240	72.81	681	2	0.0050	175	Pass
Blue	A	PE-Cy7	119	144.73	727	3	0.0078	59	Pass
Red	C	APC	402	35.77	729	8	0.0134	78	Pass
Red	A	APC-Cy7	200	46.82	578	8	0.0025	1429	Pass
Violet	B	DAPI	98	67.88	456	-3	0.0569	3621	Pass
Violet	A	AmCyan	174	43.37	512	-2	0.0208	2472	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)

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: 04/03/2017 11:34 AM
Cytometer Baseline: 01/04/2017 03:58 PM
P/F: Pass

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	59.82	47.71 - 71.57	N/A	N/A	-30.04	-29.60	1.18
Blue	20.25	16.21 - 24.31	1.39	1.14 - 1.70	0.00	0.00	1.42
Red	15.22	12.75 - 19.13	N/A	N/A	30.23	30.85	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 11558

Fluidics

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

Comments