

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: 06/24/2019 09:28 AM
Cytometer Baseline: 06/24/2019 09:23 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910858
Lot ID: 72518 **Expiration Date:** 09/30/2019
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	125684	0	2.14	125763	2.09
Blue	F	SSC	125000	125516	0	2.19	126450	2.19
Blue	E	FITC	19687	19103	-3	2.57	489	17.61
Blue	D	PE	35036	34678	-2	1.86	777	12.84
Blue	B	PE-Cy5	53922	53463	-1	3.54	1510	19.08
Blue	A	PE-Cy7	41443	40598	-3	5.34	938	27.57
Red	C	APC	64207	64312	0	2.43	1830	13.39
Red	A	APC-Cy7	48785	47990	-2	3.15	1473	12.08
Violet	B	DAPI	11947	11670	-3	2.46	774	10.81
Violet	A	AmCyan	48649	47680	-2	2.01	1485	8.33

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18332	12.17	555	-5	N/A	N/A	Pass
Blue	F	SSC	58637	2.11	393	-3	N/A	N/A	Pass
Blue	E	FITC	74	75.64	445	-3	0.0282	568	Pass
Blue	D	PE	153	47.44	483	-2	0.2340	339	Pass
Blue	B	PE-Cy5	231	54.00	618	-2	0.0093	127	Pass
Blue	A	PE-Cy7	136	76.63	636	-3	0.0180	12	Pass
Red	C	APC	357	32.09	678	0	0.0221	146	Pass
Red	A	APC-Cy7	209	35.88	529	-1	0.0042	826	Pass
Violet	B	DAPI	95	66.53	448	-2	0.0756	4226	Pass
Violet	A	AmCyan	160	45.27	503	-2	0.0327	4183	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: 06/24/2019 09:28 AM
Cytometer Baseline: 06/24/2019 09:23 AM
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	47.84 - 71.76	N/A	N/A	-29.38	-29.20	1.23
Blue	20.25	16.21 - 24.31	1.42	1.14 - 1.70	0.00	0.00	1.53
Red	12.81	12.00 - 18.00	N/A	N/A	27.31	27.59	1.33

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9648

Fluidics

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

Comments