

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: 05/26/2015 09:47 AM
Cytometer Baseline: 03/02/2015 10:16 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910858
Lot ID: 24628 **Expiration Date:** 08/31/2015
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	124851	-1	1.75	124883	1.77
Blue	F	SSC	125000	124472	-1	2.08	125257	2.09
Blue	E	FITC	19605	18662	-5	2.77	431	21.25
Blue	D	PE	34814	34089	-3	1.91	773	14.40
Blue	B	PE-Cy5	54892	52982	-4	4.41	2016	18.74
Blue	A	PE-Cy7	46343	45274	-3	8.28	1552	29.26
Red	C	APC	53666	53893	0	2.66	2062	13.00
Red	A	APC-Cy7	51403	50360	-3	4.65	2531	11.77
Violet	B	DAPI	11521	11045	-5	2.68	759	12.22
Violet	A	AmCyan	44635	43108	-4	2.20	1187	11.95

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19149	8.02	567	-12	N/A	N/A	Pass
Blue	F	SSC	60913	2.01	406	-4	N/A	N/A	Pass
Blue	E	FITC	86	72.87	458	-3	0.0208	613	Pass
Blue	D	PE	178	46.56	498	-1	0.1783	332	Pass
Blue	B	PE-Cy5	278	57.26	640	9	0.0075	214	Pass
Blue	A	PE-Cy7	178	94.35	700	34	0.0101	36	Pass
Red	C	APC	411	30.01	689	4	0.0199	100	Pass
Red	A	APC-Cy7	323	34.82	551	21	0.0025	1097	Pass
Violet	B	DAPI	131	56.10	465	-5	0.0611	4460	Pass
Violet	A	AmCyan	217	44.32	518	-5	0.0172	3874	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	-30.39	-29.97	1.18
Blue	20.25	16.21 - 24.31	1.43	1.14 - 1.70	0.00	0.00	1.47
Red	18.27	13.20 - 19.80	N/A	N/A	28.93	29.30	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 9899

Fluidics

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

Comments