

Cytometer Performance Report

Cytometer:	FACSAriaII	User:	Administrator
Cytometer Name:	FACSAriaII	Institution:	N/A
Serial Number:	1	Software:	BD FACSDiva 8.0.1
Input Device:	Manual	Date:	03/27/2017 11:28 AM
Cytometer Configuration:	100 microns 25PSI standard	Cytometer Baseline:	01/23/2017 11:58 AM
		P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910858
Lot ID: 77840 **Expiration Date:** 04/30/2017
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	120883	-4	4.52	121063	4.53
Blue	C	SSC	125000	122921	-2	3.44	124204	3.43
Blue	B	Alexa Fluor 488	24259	24144	-1	3.12	578	16.86
Blue	A	PerCP	32944	32990	0	4.76	888	21.96
Red	C	Alexa Fluor 647	25168	24808	-2	4.56	672	21.63
Red	B	APC-Alexa 700	79842	78845	-2	3.64	2115	10.24
Red	A	APC-Cy7	70914	70186	-2	4.67	1712	17.96
561 Yellow-Green	E	DsRed	93811	93466	-1	2.69	2440	8.78
561 Yellow-Green	D	PE-Texas Red	71426	70733	-1	3.23	1699	14.24
561 Yellow-Green	C	7-AAD	77597	77066	-1	3.06	2220	14.32
561 Yellow-Green	B	PE-Cy5-5	73870	73690	-1	3.38	2105	12.40
561 Yellow-Green	A	PE-Cy7	22072	20839	-6	5.50	485	16.21

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	15439	7.16	319	-16	N/A	N/A	Pass
Blue	C	SSC	63349	3.09	363	4	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	99	50.54	588	2	0.0241	0	Pass
Blue	A	PerCP	137	62.49	633	0	0.0043	280	Pass
Red	C	Alexa Fluor 647	125	53.04	599	-4	0.0075	119	Pass
Red	B	APC-Alexa 700	444	21.13	620	-2	0.0057	0	Pass
Red	A	APC-Cy7	361	38.53	676	-3	0.0021	0	Pass
561 Yellow-Green	E	DsRed	528	19.05	665	-3	0.3759	0	Pass
561 Yellow-Green	D	PE-Texas Red	336	32.51	636	-3	0.0274	0	Pass
561 Yellow-Green	C	7-AAD	412	37.15	727	-5	0.0322	94	Pass

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561 Yellow-Green	B	PE-Cy5-5	407	30.80	662	-3	0.0230	202	Pass
561 Yellow-Green	A	PE-Cy7	103	36.71	488	-4	0.0224	73	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	-73.46	-72.67	1.02
561 Yellow-Green	-38.38	-37.53	0.98
Blue	0.00	0.00	1.13

Window Extension:	2.00
FSC Area Scaling Factor:	0.82

Threshold

Threshold (FSC): 10723

Fluidics

Sheath Pressure:	24.77	Sample Pressure:	23.84
Nozzle Size:	100		

Comments