

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:	10/24/2016 11:08 AM
Cytometer Configuration:	70 Microns 70 PSI	Cytometer Baseline:	07/05/2016 09:20 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	124395	-1	1.78	124576	1.75
Blue	C	SSC	125000	123626	-2	3.05	124786	3.08
Blue	B	Alexa Fluor 488	26032	25630	-2	2.9	602	15.91
Blue	A	PerCP	29813	29694	-1	4.43	787	20.65
Red	C	Alexa Fluor 647	26247	26008	-1	4.47	707	20.69
Red	B	APC-Alexa 700	86186	85419	-1	3.73	2298	9.52
Red	A	APC-Cy7	76466	76314	-1	4.38	1864	16.35
561 Yellow-Green	E	DsRed	90349	89802	-1	2.28	2328	8.26
561 Yellow-Green	D	PE-Texas Red	75535	75069	-1	2.76	1791	13.41
561 Yellow-Green	C	7-AAD	84240	84153	-1	3.05	2416	13.76
561 Yellow-Green	B	PE-Cy5-5	79469	79307	-1	3.13	2258	11.67
561 Yellow-Green	A	PE-Cy7	19420	18635	-5	3.72	433	14.98

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16261	2.87	331	1	N/A	N/A	Pass
Blue	C	SSC	63280	2.78	363	4	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	101	47.04	592	3	0.0271	0	Pass
Blue	A	PerCP	121	60.98	627	5	0.0051	378	Pass
Red	C	Alexa Fluor 647	131	48.06	605	1	0.0079	24	Pass
Red	B	APC-Alexa 700	477	19.97	627	3	0.0071	0	Pass
Red	A	APC-Cy7	390	35.78	684	4	0.0025	0	Pass
561 Yellow-Green	E	DsRed	493	18.7	666	5	0.4247	0	Pass
561 Yellow-Green	D	PE-Texas Red	350	32.62	645	1	0.0317	36	Pass
561 Yellow-Green	C	7-AAD	443	34.57	742	7	0.0343	53	Pass

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561 Yellow-Green	B	PE-Cy5-5	430	29.29	671	7	0.0261	197	Pass
561 Yellow-Green	A	PE-Cy7	89	31.98	480	-1	0.0233	0	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	-83.33	-82.23	0.91
561 Yellow-Green	-43.54	-42.39	0.88
Blue	0.00	0.00	0.98

Window Extension:	2.00
FSC Area Scaling Factor:	0.76

Threshold

Threshold (FSC): 9552

Fluidics

Sheath Pressure:	70.04	Sample Pressure:	68.92
Nozzle Size:	70		

Comments