

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:	05/02/2017 11:38 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 (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	127212	1	1.62	127363	1.59
Blue	C	SSC	125000	123743	-2	4.20	124845	4.30
Blue	B	Alexa Fluor 488	24259	24190	-1	3.46	570	17.69
Blue	A	PerCP	32944	33257	0	5.38	897	22.87
Red	C	Alexa Fluor 647	25168	24810	-2	4.12	673	21.91
Red	B	APC-Alexa 700	79842	79179	-1	5.38	2180	9.81
Red	A	APC-Cy7	70914	70149	-2	7.25	1761	17.71
561 Yellow-Green	E	DsRed	93811	93257	-1	4.70	2431	9.39
561 Yellow-Green	D	PE-Texas Red	71426	70388	-2	4.88	1682	14.52
561 Yellow-Green	C	7-AAD	77597	77088	-1	3.92	2238	14.78
561 Yellow-Green	B	PE-Cy5-5	73870	73597	-1	5.11	2142	12.82
561 Yellow-Green	A	PE-Cy7	22072	21132	-5	9.14	509	17.58

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	15923	5.04	339	4	N/A	N/A	Pass
Blue	C	SSC	62490	5.30	365	6	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	94	53.59	591	5	0.0219	0	Pass
Blue	A	PerCP	136	69.19	640	7	0.0041	441	Pass
Red	C	Alexa Fluor 647	126	53.80	600	-3	0.0072	114	Pass
Red	B	APC-Alexa 700	459	20.99	624	2	0.0088	1920	Pass
Red	A	APC-Cy7	376	39.67	681	2	0.0025	877	Pass
561 Yellow-Green	E	DsRed	523	20.15	667	-1	0.4145	6	Pass
561 Yellow-Green	D	PE-Texas Red	332	35.22	638	-1	0.0299	80	Pass
561 Yellow-Green	C	7-AAD	415	37.94	731	-1	0.0307	95	Pass

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561 Yellow-Green	B	PE-Cy5-5	413	32.17	667	2	0.0241	343	Pass
561 Yellow-Green	A	PE-Cy7	108	37.40	495	3	0.0225	99	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	-73.92	-73.23	1.02
561 Yellow-Green	-38.56	-37.85	0.97
Blue	0.00	0.00	1.13

Window Extension:	2.00
FSC Area Scaling Factor:	0.86

Threshold

Threshold (FSC): 10394

Fluidics

Sheath Pressure:	24.85	Sample Pressure:	23.83
Nozzle Size:	100		

Comments