

Cytometer Performance Report

Cytometer:	FACSAriaII	User:	Administrator
Cytometer Name:	FACSAriaIIIu	Institution:	N/A
Serial Number:	1	Software:	BD FACSDiva 8.0.1
Input Device:	Manual	Date:	10/19/2015 05:17 PM
Cytometer Configuration:	100 microns 25PSI standard	Cytometer Baseline:	10/19/2015 04:27 PM
		P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910858
Lot ID: 82950 **Expiration Date:** 03/31/2016
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	2.05	125785	2.12
Blue	C	SSC	125000	124109	-1	3.51	125155	3.6
Blue	B	Alexa Fluor 488	21893	21686	-1	3.1	495	17.5
Blue	A	PerCP	28999	29292	1	4.95	573	24.23
Red	C	Alexa Fluor 647	24023	23944	-1	4.34	467	26.75
Red	B	APC-Alexa 700	95610	96234	0	3.72	1662	11.51
Red	A	APC-Cy7	84656	84792	0	4.19	1292	20.89
561 Yellow-Green	E	DsRed	88087	88416	0	2.3	1974	9.5
561 Yellow-Green	D	PE-Texas Red	79386	80151	0	2.9	1572	16
561 Yellow-Green	C	7-AAD	82932	83016	0	3.41	1736	17.05
561 Yellow-Green	B	PE-Cy5-5	83720	82600	-2	3.75	1601	14.31
561 Yellow-Green	A	PE-Cy7	22282	21355	-5	4.27	317	18.3

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	13510	5.11	329	-5	N/A	N/A	Pass
Blue	C	SSC	66267	3.71	359	4	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	98	48.31	567	-1	0.0236	0	Pass
Blue	A	PerCP	112	65.41	611	-2	0.0052	494	Pass
Red	C	Alexa Fluor 647	123	52.33	600	-1	0.0068	22	Pass
Red	B	APC-Alexa 700	401	23.05	617	-1	0.0062	0	Pass
Red	A	APC-Cy7	307	43.22	676	-2	0.0021	0	Pass
561 Yellow-Green	E	DsRed	586	17.52	657	-1	0.3686	0	Pass
561 Yellow-Green	D	PE-Texas Red	436	31.7	653	-1	0.0258	11	Pass
561 Yellow-Green	C	7-AAD	426	36.63	720	-4	0.0294	55	Pass

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561 Yellow-Green	B	PE-Cy5-5	376	33.21	652	-6	0.0242	265	Pass
561 Yellow-Green	A	PE-Cy7	75	37.56	477	-6	0.0212	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	-71.91	-71.03	1.04
561 Yellow-Green	-37.58	-36.78	1.00
Blue	0.00	0.00	1.10

Window Extension:	2.00
FSC Area Scaling Factor:	0.89

Threshold

Threshold (FSC): 10185

Fluidics

Sheath Pressure:	24.84	Sample Pressure:	23.79
Nozzle Size:	100		

Comments