

Cytometer Performance Report

Cytometer: FACSriaII
 Cytometer Name: FACSriaII
 Serial Number: 1
 Input Device: Manual
 Cytometer Configuration: 100 microns 25PSI standard

User: Administrator
 Institution: N/A
 Software: BD FACSDiva 8.0.1
 Date: 06/06/2016 11:02 AM
 Cytometer Baseline: 04/26/2016 09:22 AM
 P/F: Pass

Setup Beads

Bead Product: CST Setup Beads Part #: 910858
 Lot ID: 82950 Expiration Date: 03/31/2016 (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	124751	-1	1.93	124912	1.96
Blue	C	SSC	125000	123675	-2	2.53	124707	2.53
Blue	B	Alexa Fluor 488	23483	23056	-2	2.66	530	17.02
Blue	A	PerCP	29631	29388	-1	5.95	577	24.71
Red	C	Alexa Fluor 647	23800	23609	-1	3.99	461	25.87
Red	B	APC-Alexa 700	89291	88810	-1	4.24	1541	11.42
Red	A	APC-Cy7	79063	79032	-1	5.42	1211	20.48
561 Yellow-Green	E	DsRed	89499	89099	-1	1.89	1994	8.92
561 Yellow-Green	D	PE-Texas Red	76034	75878	-1	2.43	1489	15.59
561 Yellow-Green	C	7-AAD	86998	85751	-2	3.43	1807	16.58
561 Yellow-Green	B	PE-Cy5-5	84542	84146	-1	3.83	1621	14.05
561 Yellow-Green	A	PE-Cy7	21961	21014	-5	4.65	312	17.89

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	13849	3.72	333	-1	N/A	N/A	Pass
Blue	C	SSC	68432	2.69	364	3	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	104	47.32	579	0	0.0245	0	Pass
Blue	A	PerCP	115	64.15	616	2	0.0049	422	Pass
Red	C	Alexa Fluor 647	120	51.95	594	-2	0.0074	54	Pass
Red	B	APC-Alexa 700	380	22.50	616	0	0.0066	26	Pass
Red	A	APC-Cy7	289	42.89	672	1	0.0023	138	Pass
561 Yellow-Green	E	DsRed	591	17.14	654	-2	0.4254	1	Pass
561 Yellow-Green	D	PE-Texas Red	412	30.65	642	-2	0.0266	0	Pass
561 Yellow-Green	C	7-AAD	442	35.57	723	-2	0.0309	51	Pass

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:	06/06/2016 11:02 AM
Cytometer Configuration:	100 microns 25PSI standard	Cytometer Baseline:	04/26/2016 09:22 AM
		P/F:	Pass

561 Yellow-Green	B	PE-Cy5-5	375	32.47	656	0	0.0253	233	Pass
561 Yellow-Green	A	PE-Cy7	75	37.07	475	-3	0.0229	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	-72.88	-71.92	1.03
561 Yellow-Green	-38.08	-37.26	0.99
Blue	0.00	0.00	1.11

Window Extension:	2.00
FSC Area Scaling Factor:	0.85

Threshold

Threshold (FSC): 9845

Fluidics

Sheath Pressure:	24.80	Sample Pressure:	23.72
Nozzle Size:	100		

Comments