

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: 04/26/2016 09:26 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	124274	-1	1.65	124377	1.72
Blue	C	SSC	125000	124724	-1	2.80	125859	2.73
Blue	B	Alexa Fluor 488	23483	23121	-2	2.65	534	15.77
Blue	A	PerCP	29631	29524	-1	4.35	583	24.85
Red	C	Alexa Fluor 647	23800	23141	-3	4.07	453	25.96
Red	B	APC-Alexa 700	89291	87885	-2	2.60	1516	11.23
Red	A	APC-Cy7	79063	78027	-2	3.39	1189	20.18
561 Yellow-Green	E	DsRed	89499	89199	-1	1.92	1955	9.08
561 Yellow-Green	D	PE-Texas Red	76034	75746	-1	2.51	1487	15.72
561 Yellow-Green	C	7-AAD	86998	86309	-1	2.71	1808	16.36
561 Yellow-Green	B	PE-Cy5-5	84542	83754	-1	2.56	1607	13.80
561 Yellow-Green	A	PE-Cy7	21961	21149	-4	3.04	315	17.36

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	15463	3.57	328	-6	N/A	N/A	Pass
Blue	C	SSC	69858	3.19	363	2	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	103	47.25	578	-1	0.0307	0	Pass
Blue	A	PerCP	114	66.06	614	0	0.0047	435	Pass
Red	C	Alexa Fluor 647	120	52.86	594	-2	0.0074	93	Pass
Red	B	APC-Alexa 700	367	23.17	615	-1	0.0062	7	Pass
Red	A	APC-Cy7	280	43.54	670	-1	0.0023	189	Pass
561 Yellow-Green	E	DsRed	571	17.85	656	0	0.4252	5	Pass
561 Yellow-Green	D	PE-Texas Red	410	32.47	644	0	0.0273	57	Pass
561 Yellow-Green	C	7-AAD	438	36.47	725	0	0.0322	81	Pass

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561 Yellow-Green	B	PE-Cy5-5	372	32.20	656	0	0.0250	210	Pass
561 Yellow-Green	A	PE-Cy7	74	37.56	476	-2	0.0236	21	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	-72.25	-72.00	1.04
561 Yellow-Green	-37.48	-37.19	1.00
Blue	0.00	0.00	1.14

Window Extension: 2.00
FSC Area Scaling Factor: 0.95

Threshold

Threshold (FSC): 11858

Fluidics

Sheath Pressure: 24.79 Sample Pressure: 23.72
Nozzle Size: 100

Comments