

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: 07/23/2018 03:50 PM
 Cytometer Baseline: 07/23/2018 03:46 PM
 P/F: Pass

Setup Beads

Bead Product: CST Setup Beads Part #: 910858
 Lot ID: 72518 Expiration Date: 09/30/2019
 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	125078	0	2.01	125156	2.03
Blue	C	SSC	125000	123755	-1	3.22	124781	3.33
Blue	B	Alexa Fluor 488	29033	28722	-2	2.93	709	13.88
Blue	A	PerCP	32923	32522	-2	4.27	955	19.50
Red	C	Alexa Fluor 647	23888	23646	-2	3.36	628	18.19
Red	B	APC-Alexa 700	79008	78822	-1	2.62	2759	7.83
Red	A	APC-Cy7	69641	68623	-2	3.53	2234	13.29
561 Yellow-Green	E	DsRed	90846	90931	0	1.73	2267	7.35
561 Yellow-Green	D	PE-Texas Red	78468	78567	0	2.14	1784	12.17
561 Yellow-Green	C	7-AAD	78834	78783	-1	2.33	2492	12.08
561 Yellow-Green	B	PE-Cy5-5	68459	68186	-1	2.72	2396	11.67
561 Yellow-Green	A	PE-Cy7	18684	17711	-6	3.32	542	12.68

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17972	3.56	307	7	N/A	N/A	Pass
Blue	C	SSC	59638	2.96	337	4	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	113	44.79	576	-1	0.0375	0	Pass
Blue	A	PerCP	142	55.60	615	-1	0.0055	245	Pass
Red	C	Alexa Fluor 647	104	46.90	564	-1	0.0109	91	Pass
Red	B	APC-Alexa 700	404	20.00	592	0	0.0094	203	Pass
Red	A	APC-Cy7	321	36.08	645	-1	0.0031	162	Pass
561 Yellow-Green	E	DsRed	520	16.15	625	0	0.5794	0	Pass
561 Yellow-Green	D	PE-Texas Red	377	26.74	607	0	0.0385	0	Pass
561 Yellow-Green	C	7-AAD	408	32.57	699	0	0.0416	40	Pass

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: 07/23/2018 03:50 PM
Cytometer Baseline: 07/23/2018 03:46 PM
P/F: Pass

561 Yellow-Green	B	PE-Cy5-5	350	34.88	662	0	0.0219	213	Pass
561 Yellow-Green	A	PE-Cy7	79	34.66	459	-3	0.0262	14	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	-69.62	-68.84	1.07
561 Yellow-Green	-36.26	-35.45	1.03
Blue	0.00	0.00	1.19

Window Extension: 2.00
FSC Area Scaling Factor: 0.95

Threshold

Threshold (FSC): 11881

Fluidics

Sheath Pressure: 24.82 Sample Pressure: 23.77
Nozzle Size: 100

Comments