

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: 08/28/2017 11:18 AM
 Cytometer Baseline: 08/07/2017 11:48 AM
 P/F: Pass

Setup Beads

Bead Product: CST Setup Beads Part #: 910858
 Lot ID: 70106 Expiration Date: 01/31/2018
 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	123988	-1	2.48	124141	2.50
Blue	C	SSC	125000	124181	-1	2.86	125504	2.83
Blue	B	Alexa Fluor 488	27891	27532	-2	3.41	752	15.41
Blue	A	PerCP	36335	36040	-1	8.41	803	21.15
Red	C	Alexa Fluor 647	31178	31789	1	3.96	846	20.68
Red	B	APC-Alexa 700	151187	153059	1	4.57	3086	9.50
Red	A	APC-Cy7	132410	135011	1	5.91	2332	16.74
561 Yellow-Green	E	DsRed	89854	88999	-1	3.32	2604	8.82
561 Yellow-Green	D	PE-Texas Red	78195	78202	0	3.79	2115	13.45
561 Yellow-Green	C	7-AAD	107664	106590	-1	6.08	2800	13.95
561 Yellow-Green	B	PE-Cy5-5	127783	126790	-1	6.61	2821	12.07
561 Yellow-Green	A	PE-Cy7	37041	36127	-3	7.20	583	16.25

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	15156	4.88	344	-1	N/A	N/A	Pass
Blue	C	SSC	63881	2.70	368	8	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	111	51.38	610	3	0.0270	0	Pass
Blue	A	PerCP	121	63.35	626	-5	0.0055	604	Pass
Red	C	Alexa Fluor 647	158	49.11	611	5	0.0070	67	Pass
Red	B	APC-Alexa 700	539	21.34	648	-4	0.0067	437	Pass
Red	A	APC-Cy7	404	41.04	699	-4	0.0022	479	Pass
561 Yellow-Green	E	DsRed	516	19.75	670	-1	0.3965	0	Pass
561 Yellow-Green	D	PE-Texas Red	383	32.95	653	-1	0.0306	19	Pass
561 Yellow-Green	C	7-AAD	465	36.14	743	-8	0.0327	90	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: 08/28/2017 11:18 AM
Cytometer Baseline: 08/07/2017 11:48 AM
P/F: Pass

561 Yellow-Green	B	PE-Cy5-5	464	30.64	681	-12	0.0289	334	Pass
561 Yellow-Green	A	PE-Cy7	100	37.06	493	-11	0.0201	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	-75.05	-74.14	1.01
561 Yellow-Green	-39.05	-38.21	0.97
Blue	0.00	0.00	1.10

Window Extension: 2.00
FSC Area Scaling Factor: 0.86

Threshold

Threshold (FSC): 9842

Fluidics

Sheath Pressure: 24.83 Sample Pressure: 23.83
Nozzle Size: 100

Comments