

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: 09/19/2016 11:17 AM
 Cytometer Baseline: 07/05/2016 09:47 AM
 P/F: Pass

Setup Beads

Bead Product: CST Setup Beads Part #: 910858
 Lot ID: 77840 Expiration Date: 04/30/2017
 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	125106	0	2.27	125086	2.34
Blue	C	SSC	125000	122412	-3	3.10	123706	3.18
Blue	B	Alexa Fluor 488	24248	23774	-2	3.14	561	17.29
Blue	A	PerCP	33887	34154	0	4.64	913	21.80
Red	C	Alexa Fluor 647	25051	24715	-2	4.46	666	21.56
Red	B	APC-Alexa 700	81413	81084	-1	3.49	2172	9.95
Red	A	APC-Cy7	71355	70573	-2	4.56	1716	17.42
561 Yellow-Green	E	DsRed	88389	88091	-1	2.54	2322	8.88
561 Yellow-Green	D	PE-Texas Red	74661	74263	-1	3.02	1784	14.39
561 Yellow-Green	C	7-AAD	84478	83769	-1	3.20	2423	14.73
561 Yellow-Green	B	PE-Cy5-5	76749	76266	-1	3.29	2173	12.36
561 Yellow-Green	A	PE-Cy7	18983	18224	-4	4.26	421	15.82

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16319	4.21	336	1	N/A	N/A	Pass
Blue	C	SSC	62633	2.92	367	8	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	93	54.53	586	2	0.0236	0	Pass
Blue	A	PerCP	140	62.25	636	2	0.0044	281	Pass
Red	C	Alexa Fluor 647	125	51.77	599	-4	0.0075	90	Pass
Red	B	APC-Alexa 700	459	20.95	621	-1	0.0061	0	Pass
Red	A	APC-Cy7	364	38.59	676	-1	0.0022	174	Pass
561 Yellow-Green	E	DsRed	512	19.52	659	-2	0.3648	0	Pass
561 Yellow-Green	D	PE-Texas Red	357	34.53	643	-2	0.0274	42	Pass
561 Yellow-Green	C	7-AAD	447	36.01	733	-4	0.0292	32	Pass

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561 Yellow-Green	B	PE-Cy5-5	420	30.34	659	-4	0.0229	171	Pass
561 Yellow-Green	A	PE-Cy7	89	34.21	477	-4	0.0215	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	-73.73	-72.69	1.00
561 Yellow-Green	-38.61	-37.56	0.98
Blue	0.00	0.00	1.07

Window Extension: 2.00
FSC Area Scaling Factor: 0.82

Threshold

Threshold (FSC): 10919

Fluidics

Sheath Pressure: 24.82 Sample Pressure: 23.79
Nozzle Size: 100

Comments