

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: 02/17/2020 11:27 AM
 Cytometer Baseline: 01/06/2020 04:02 PM
 P/F: Pass

Setup Beads

Bead Product: CST Setup Beads Part #: 910858
 Lot ID: 83326 Expiration Date: 11/30/2020
 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	124863	-1	2.90	124884	2.86
Blue	C	SSC	125000	124526	-1	5.53	125415	5.63
Blue	B	Alexa Fluor 488	29683	29537	-1	4.51	731	17.93
Blue	A	PerCP	28186	28254	0	6.38	843	27.51
Red	C	Alexa Fluor 647	20935	20681	-2	4.76	586	20.29
Red	B	APC-Alexa 700	64225	63480	-2	5.10	1965	9.47
Red	A	APC-Cy7	56829	55923	-2	6.31	1576	16.27
561 Yellow-Green	E	DsRed	99854	99209	-1	2.16	2428	8.04
561 Yellow-Green	D	PE-Texas Red	76183	76342	0	2.60	1701	13.22
561 Yellow-Green	C	7-AAD	75562	75325	-1	3.10	2312	13.69
561 Yellow-Green	B	PE-Cy5-5	59959	59135	-2	3.91	1938	11.99
561 Yellow-Green	A	PE-Cy7	13836	13184	-5	5.42	356	15.37

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17018	6.41	401	-22	N/A	N/A	Pass
Blue	C	SSC	56707	5.52	367	3	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	118	53.91	628	-6	0.0215	0	Pass
Blue	A	PerCP	131	79.52	661	-4	0.0033	293	Pass
Red	C	Alexa Fluor 647	112	46.25	574	-5	0.0096	19	Pass
Red	B	APC-Alexa 700	481	18.37	597	-5	0.0116	613	Pass
Red	A	APC-Cy7	394	32.90	648	-8	0.0034	257	Pass
561 Yellow-Green	E	DsRed	523	17.79	647	0	0.5048	0	Pass
561 Yellow-Green	D	PE-Texas Red	346	29.48	614	-2	0.0341	0	Pass
561 Yellow-Green	C	7-AAD	462	33.30	720	-3	0.0372	15	Pass

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561 Yellow-Green	B	PE-Cy5-5	432	27.39	640	-6	0.0296	145	Pass
561 Yellow-Green	A	PE-Cy7	86	30.67	459	-8	0.0269	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	-72.23	-71.67	1.03
561 Yellow-Green	-37.63	-37.03	1.00
Blue	0.00	0.00	1.20

Window Extension: 2.00
FSC Area Scaling Factor: 1.04

Threshold

Threshold (FSC): 9754

Fluidics

Sheath Pressure: 24.80 Sample Pressure: 23.79
Nozzle Size: 100

Comments