

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: 01/27/2020 11:41 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	124892	-1	2.69	125063	2.66
Blue	C	SSC	125000	125131	0	4.82	125994	4.83
Blue	B	Alexa Fluor 488	29683	29604	-1	4.36	730	18.90
Blue	A	PerCP	28186	28549	1	6.19	850	28.90
Red	C	Alexa Fluor 647	20935	20608	-2	4.19	583	19.80
Red	B	APC-Alexa 700	64225	63529	-2	3.27	1967	9.20
Red	A	APC-Cy7	56829	56368	-1	4.09	1590	15.78
561 Yellow-Green	E	DsRed	99854	100202	0	2.11	2451	8.02
561 Yellow-Green	D	PE-Texas Red	76183	75933	-1	2.53	1687	12.79
561 Yellow-Green	C	7-AAD	75562	75419	-1	3.03	2315	13.73
561 Yellow-Green	B	PE-Cy5-5	59959	59737	-1	3.08	1962	11.76
561 Yellow-Green	A	PE-Cy7	13836	13211	-5	3.83	357	15.32

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16337	5.44	417	-6	N/A	N/A	Pass
Blue	C	SSC	58012	4.61	374	10	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	116	57.49	638	4	0.0192	0	Pass
Blue	A	PerCP	130	87.05	673	8	0.0030	359	Pass
Red	C	Alexa Fluor 647	113	44.08	572	-7	0.0099	0	Pass
Red	B	APC-Alexa 700	485	18.18	598	-4	0.0091	0	Pass
Red	A	APC-Cy7	399	32.40	648	-8	0.0032	68	Pass
561 Yellow-Green	E	DsRed	538	17.30	646	-1	0.5006	0	Pass
561 Yellow-Green	D	PE-Texas Red	350	29.15	614	-2	0.0370	0	Pass
561 Yellow-Green	C	7-AAD	476	32.88	721	-2	0.0369	15	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: 01/27/2020 11:41 AM
Cytometer Baseline: 01/06/2020 04:02 PM
P/F: Pass

561 Yellow-Green	B	PE-Cy5-5	439	27.57	642	-4	0.0297	177	Pass
561 Yellow-Green	A	PE-Cy7	87	30.33	460	-7	0.0248	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	-72.51	-72.01	1.03
561 Yellow-Green	-37.67	-37.13	1.00
Blue	0.00	0.00	1.19

Window Extension: 2.00
FSC Area Scaling Factor: 1.05

Threshold

Threshold (FSC): 10158

Fluidics

Sheath Pressure: 24.81 Sample Pressure: 23.84
Nozzle Size: 100

Comments