

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: 11/19/2018 10:41 AM
 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	123426	-2	2.52	123854	2.83
Blue	C	SSC	125000	123023	-2	3.51	124356	3.54
Blue	B	Alexa Fluor 488	29033	28440	-3	2.88	709	14.78
Blue	A	PerCP	32923	32321	-2	4.64	942	20.75
Red	C	Alexa Fluor 647	23888	23883	-1	3.60	636	18.90
Red	B	APC-Alexa 700	79008	79080	0	3.64	2690	8.27
Red	A	APC-Cy7	69641	70048	0	4.51	2204	13.81
561 Yellow-Green	E	DsRed	90846	89881	-2	2.00	2241	7.34
561 Yellow-Green	D	PE-Texas Red	78468	78275	-1	2.32	1784	11.86
561 Yellow-Green	C	7-AAD	78834	78065	-1	2.82	2461	11.82
561 Yellow-Green	B	PE-Cy5-5	68459	67908	-1	3.11	2333	11.10
561 Yellow-Green	A	PE-Cy7	18684	17676	-6	4.13	525	12.77

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18052	3.05	320	20	N/A	N/A	Pass
Blue	C	SSC	59536	2.25	343	10	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	112	48.89	586	9	0.0327	0	Pass
Blue	A	PerCP	136	59.82	622	6	0.0049	229	Pass
Red	C	Alexa Fluor 647	106	46.97	569	4	0.0099	39	Pass
Red	B	APC-Alexa 700	388	20.09	591	-1	0.0094	0	Pass
Red	A	APC-Cy7	311	36.56	649	3	0.0031	20	Pass
561 Yellow-Green	E	DsRed	519	16.41	625	0	0.6077	3	Pass
561 Yellow-Green	D	PE-Texas Red	383	26.63	606	-1	0.0413	0	Pass
561 Yellow-Green	C	7-AAD	398	32.48	694	-5	0.0450	55	Pass

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561 Yellow-Green	B	PE-Cy5-5	342	31.61	642	-20	0.0252	133	Pass
561 Yellow-Green	A	PE-Cy7	75	34.53	455	-7	0.0277	3	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	-70.71	-69.87	1.05
561 Yellow-Green	-36.78	-36.04	1.03
Blue	0.00	0.00	1.20

Window Extension: 2.00
FSC Area Scaling Factor: 0.98

Threshold

Threshold (FSC): 12857

Fluidics

Sheath Pressure: 24.75 Sample Pressure: 23.77
Nozzle Size: 100

Comments