

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: 10/01/2018 11:11 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	125213	0	2.16	125642	2.43
Blue	C	SSC	125000	123476	-2	2.97	124745	3.12
Blue	B	Alexa Fluor 488	29033	28272	-3	2.94	707	14.53
Blue	A	PerCP	32923	32772	-1	4.74	946	20.59
Red	C	Alexa Fluor 647	23888	24239	1	3.52	650	19.75
Red	B	APC-Alexa 700	79008	80088	1	2.89	2632	8.26
Red	A	APC-Cy7	69641	70643	1	3.90	2111	14.35
561 Yellow-Green	E	DsRed	90846	90329	-1	1.79	2260	7.21
561 Yellow-Green	D	PE-Texas Red	78468	78483	0	2.18	1797	11.63
561 Yellow-Green	C	7-AAD	78834	78193	-1	2.48	2454	11.84
561 Yellow-Green	B	PE-Cy5-5	68459	68004	-1	2.95	2283	11.52
561 Yellow-Green	A	PE-Cy7	18684	17822	-5	3.74	503	12.84

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18374	2.78	324	24	N/A	N/A	Pass
Blue	C	SSC	59490	2.53	344	11	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	112	47.32	586	9	0.0335	0	Pass
Blue	A	PerCP	137	59.30	623	7	0.0050	230	Pass
Red	C	Alexa Fluor 647	109	49.42	577	12	0.0089	48	Pass
Red	B	APC-Alexa 700	382	21.60	598	6	0.0089	333	Pass
Red	A	APC-Cy7	298	39.85	656	10	0.0029	256	Pass
561 Yellow-Green	E	DsRed	524	15.53	625	0	0.5985	0	Pass
561 Yellow-Green	D	PE-Texas Red	384	26.77	604	-3	0.0432	4	Pass
561 Yellow-Green	C	7-AAD	400	31.88	691	-8	0.0439	36	Pass

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561 Yellow-Green	B	PE-Cy5-5	335	33.51	648	-14	0.0237	159	Pass
561 Yellow-Green	A	PE-Cy7	73	33.41	452	-10	0.0278	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	-69.64	-69.28	1.07
561 Yellow-Green	-36.06	-35.69	1.04
Blue	0.00	0.00	1.20

Window Extension: 2.00
FSC Area Scaling Factor: 1.00

Threshold

Threshold (FSC): 12167

Fluidics

Sheath Pressure: 24.74 Sample Pressure: 23.76
Nozzle Size: 100

Comments