

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: 11/02/2020 10:57 AM
 Cytometer Baseline: 10/26/2020 10:09 AM
 P/F: Pass

Setup Beads

Bead Product: CST Setup Beads Part #: 910858
 Lot ID: 70757 Expiration Date: 03/31/2022
 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	124803	-1	1.86	124666	1.86
Blue	C	SSC	125000	123867	-1	4.92	124154	4.87
Blue	B	Alexa Fluor 488	27038	26570	-2	3.74	609	18.06
Blue	A	PerCP	20137	20142	0	5.04	739	22.67
Red	C	Alexa Fluor 647	20177	19709	-3	3.85	670	17.91
Red	B	APC-Alexa 700	53518	52678	-2	3.61	2334	8.46
Red	A	APC-Cy7	50002	49961	-1	4.82	2112	14.89
561 Yellow-Green	E	DsRed	95457	94285	-2	3.86	2403	8.42
561 Yellow-Green	D	PE-Texas Red	82387	81520	-2	3.88	1906	12.52
561 Yellow-Green	C	7-AAD	61828	61486	-1	4.09	2315	13.18
561 Yellow-Green	B	PE-Cy5-5	54739	54086	-2	4.44	2372	11.89
561 Yellow-Green	A	PE-Cy7	10496	9873	-6	5.70	389	15.23

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20523	3.40	357	-2	N/A	N/A	Pass
Blue	C	SSC	59855	4.77	357	4	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	106	54.05	601	0	0.0245	0	Pass
Blue	A	PerCP	96	73.28	628	4	0.0045	311	Pass
Red	C	Alexa Fluor 647	104	47.97	571	-2	0.0108	95	Pass
Red	B	APC-Alexa 700	364	22.49	598	3	0.0113	965	Pass
Red	A	APC-Cy7	328	40.31	658	8	0.0032	460	Pass
561 Yellow-Green	E	DsRed	515	18.25	640	0	0.5812	1	Pass
561 Yellow-Green	D	PE-Texas Red	384	29.35	621	0	0.0436	16	Pass
561 Yellow-Green	C	7-AAD	352	38.19	706	1	0.0442	68	Pass

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561 Yellow-Green	B	PE-Cy5-5	361	34.77	652	3	0.0294	223	Pass
561 Yellow-Green	A	PE-Cy7	63	38.78	462	3	0.0249	9	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	-73.91	-73.37	1.03
561 Yellow-Green	-37.95	-37.39	0.98
Blue	0.00	0.00	1.11

Window Extension: 2.00
FSC Area Scaling Factor: 0.94

Threshold

Threshold (FSC): 10767

Fluidics

Sheath Pressure: 24.73 Sample Pressure: 23.71
Nozzle Size: 100

Comments