

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: 10/03/2016 11:19 AM
 Cytometer Baseline: 07/05/2016 09:47 AM
 P/F: Pass

Setup Beads

Bead Product: CST Setup Beads Part #: 910858
 Lot ID: 77840 Expiration Date: 04/30/2017
 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	124289	-1	3.29	124303	3.36
Blue	C	SSC	125000	124007	-1	4.17	125052	4.33
Blue	B	Alexa Fluor 488	24248	23729	-3	4.04	554	17.55
Blue	A	PerCP	33887	33622	-1	5.74	922	22.66
Red	C	Alexa Fluor 647	25051	24915	-1	4.94	674	22.65
Red	B	APC-Alexa 700	81413	79711	-3	6.18	2304	10.57
Red	A	APC-Cy7	71355	69940	-2	7.65	1864	18.01
561 Yellow-Green	E	DsRed	88389	88323	-1	2.76	2290	9.09
561 Yellow-Green	D	PE-Texas Red	74661	74571	-1	3.31	1784	14.46
561 Yellow-Green	C	7-AAD	84478	84026	-1	3.58	2465	15.11
561 Yellow-Green	B	PE-Cy5-5	76749	75765	-2	5.02	2271	12.79
561 Yellow-Green	A	PE-Cy7	18983	17928	-6	7.55	454	16.47

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16342	6.16	336	1	N/A	N/A	Pass
Blue	C	SSC	64161	4.03	363	4	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	93	53.44	586	2	0.0234	0	Pass
Blue	A	PerCP	142	65.01	639	5	0.0041	326	Pass
Red	C	Alexa Fluor 647	127	52.19	602	-1	0.0066	25	Pass
Red	B	APC-Alexa 700	495	21.05	627	5	0.0073	1262	Pass
Red	A	APC-Cy7	405	38.00	684	7	0.0022	403	Pass
561 Yellow-Green	E	DsRed	504	19.77	659	-2	0.3561	0	Pass
561 Yellow-Green	D	PE-Texas Red	365	34.55	644	-1	0.0278	56	Pass
561 Yellow-Green	C	7-AAD	465	36.83	737	0	0.0278	48	Pass

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561 Yellow-Green	B	PE-Cy5-5	445	31.96	667	4	0.0235	367	Pass
561 Yellow-Green	A	PE-Cy7	97	34.44	483	2	0.0219	42	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	-73.01	-72.12	1.02
561 Yellow-Green	-38.18	-37.29	0.99
Blue	0.00	0.00	1.09

Window Extension: 2.00
FSC Area Scaling Factor: 0.84

Threshold

Threshold (FSC): 10229

Fluidics

Sheath Pressure: 24.74 Sample Pressure: 23.79
Nozzle Size: 100

Comments