

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: 04/24/2017 11:23 AM
 Cytometer Baseline: 01/23/2017 11:58 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	124718	-1	2.03	124872	2.08
Blue	C	SSC	125000	122651	-2	3.89	123989	3.79
Blue	B	Alexa Fluor 488	24259	23820	-2	3.19	563	17.20
Blue	A	PerCP	32944	33207	0	5.31	890	21.77
Red	C	Alexa Fluor 647	25168	24991	-1	4.20	677	21.87
Red	B	APC-Alexa 700	79842	78880	-2	5.55	2140	10.00
Red	A	APC-Cy7	70914	70154	-2	7.63	1734	17.69
561 Yellow-Green	E	DsRed	93811	93683	-1	2.21	2437	8.63
561 Yellow-Green	D	PE-Texas Red	71426	70899	-1	2.79	1694	13.87
561 Yellow-Green	C	7-AAD	77597	76762	-2	2.92	2227	14.13
561 Yellow-Green	B	PE-Cy5-5	73870	72912	-2	4.71	2104	12.26
561 Yellow-Green	A	PE-Cy7	22072	20784	-6	9.29	491	17.10

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	15909	3.71	333	-2	N/A	N/A	Pass
Blue	C	SSC	63739	3.41	363	4	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	94	52.95	587	1	0.0235	0	Pass
Blue	A	PerCP	138	61.47	635	2	0.0045	288	Pass
Red	C	Alexa Fluor 647	125	52.61	601	-2	0.0071	67	Pass
Red	B	APC-Alexa 700	452	20.85	623	1	0.0085	1411	Pass
Red	A	APC-Cy7	368	38.18	679	0	0.0025	468	Pass
561 Yellow-Green	E	DsRed	534	18.74	665	-3	0.3782	0	Pass
561 Yellow-Green	D	PE-Texas Red	341	32.71	636	-3	0.0293	23	Pass
561 Yellow-Green	C	7-AAD	417	35.76	727	-5	0.0323	73	Pass

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561 Yellow-Green	B	PE-Cy5-5	411	30.29	662	-3	0.0261	301	Pass
561 Yellow-Green	A	PE-Cy7	105	35.69	490	-2	0.0252	93	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	-74.22	-73.45	1.01
561 Yellow-Green	-38.77	-37.87	0.98
Blue	0.00	0.00	1.13

Window Extension: 2.00
FSC Area Scaling Factor: 0.83

Threshold

Threshold (FSC): 9535

Fluidics

Sheath Pressure: 24.74 Sample Pressure: 23.83
Nozzle Size: 100

Comments