

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: 10/10/2016 02:08 PM
 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	124416	-1	3.54	124620	3.39
Blue	C	SSC	125000	123849	-1	4.51	125224	4.4
Blue	B	Alexa Fluor 488	24248	23931	-2	4.2	562	17.76
Blue	A	PerCP	33887	33764	-1	5.5	908	22.54
Red	C	Alexa Fluor 647	25051	24853	-1	4.96	676	22.34
Red	B	APC-Alexa 700	81413	80522	-2	3.81	2162	10.6
Red	A	APC-Cy7	71355	71490	0	4.63	1739	18.08
561 Yellow-Green	E	DsRed	88389	87873	-1	3.35	2265	9.45
561 Yellow-Green	D	PE-Texas Red	74661	74016	-1	3.79	1764	14.88
561 Yellow-Green	C	7-AAD	84478	83501	-2	4.1	2402	14.95
561 Yellow-Green	B	PE-Cy5-5	76749	76384	-1	4.21	2176	12.73
561 Yellow-Green	A	PE-Cy7	18983	18133	-5	4.72	421	16.36

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16812	7.9	334	-1	N/A	N/A	Pass
Blue	C	SSC	64210	4.32	362	3	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	96	53.44	585	1	0.0227	0	Pass
Blue	A	PerCP	139	64.56	638	4	0.0042	300	Pass
Red	C	Alexa Fluor 647	123	54.36	601	-2	0.0069	85	Pass
Red	B	APC-Alexa 700	452	21.28	622	0	0.0052	0	Pass
Red	A	APC-Cy7	367	39.45	677	0	0.0020	11	Pass
561 Yellow-Green	E	DsRed	492	20.24	665	4	0.3433	0	Pass
561 Yellow-Green	D	PE-Texas Red	351	35.5	644	-1	0.0265	43	Pass
561 Yellow-Green	C	7-AAD	443	37.64	744	7	0.0301	73	Pass

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561 Yellow-Green	B	PE-Cy5-5	418	31.54	668	5	0.0228	224	Pass
561 Yellow-Green	A	PE-Cy7	88	34.59	478	-3	0.0201	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	-73.16	-72.04	1.03
561 Yellow-Green	-38.19	-37.23	0.99
Blue	0.00	0.00	1.12

Window Extension: 2.00
FSC Area Scaling Factor: 0.86

Threshold

Threshold (FSC): 9999

Fluidics

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

Comments