

Cytometer Performance Report

Cytometer: FACSriaII
Cytometer Name: FACSriaIIIu
Serial Number: 1
Input Device: Manual
Cytometer Configuration: 100 microns 25PSI standard

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.1
Date: 12/21/2015 11:54 AM
Cytometer Baseline: 10/19/2015 04:27 PM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads Part #: 910858
Lot ID: 82950 Expiration Date: 03/31/2016
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	124763	-1	2.44	124978	2.38
Blue	C	SSC	125000	123864	-1	3.14	124890	3.17
Blue	B	Alexa Fluor 488	21893	21473	-2	3.04	493	17.58
Blue	A	PerCP	28999	28752	-1	4.57	561	25.10
Red	C	Alexa Fluor 647	24023	23759	-2	4.21	460	25.54
Red	B	APC-Alexa 700	95610	94440	-2	2.86	1613	11.37
Red	A	APC-Cy7	84656	84040	-1	3.67	1265	20.40
561 Yellow-Green	E	DsRed	88087	87788	-1	2.48	1941	9.56
561 Yellow-Green	D	PE-Texas Red	79386	78747	-1	3.00	1540	15.94
561 Yellow-Green	C	7-AAD	82932	82627	-1	3.14	1720	16.94
561 Yellow-Green	B	PE-Cy5-5	83720	82526	-2	2.89	1589	14.43
561 Yellow-Green	A	PE-Cy7	22282	21420	-4	3.40	315	18.30

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	12279	3.51	333	-1	N/A	N/A	Pass
Blue	C	SSC	66691	3.03	360	5	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	96	47.72	570	2	0.0226	0	Pass
Blue	A	PerCP	110	62.27	612	-1	0.0045	225	Pass
Red	C	Alexa Fluor 647	121	51.51	595	-6	0.0077	73	Pass
Red	B	APC-Alexa 700	391	23.02	613	-5	0.0061	0	Pass
Red	A	APC-Cy7	298	43.46	674	-4	0.0022	89	Pass
561 Yellow-Green	E	DsRed	578	17.38	655	-3	0.3676	0	Pass
561 Yellow-Green	D	PE-Texas Red	434	31.02	652	-2	0.0259	0	Pass
561 Yellow-Green	C	7-AAD	428	35.94	718	-6	0.0296	47	Pass

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561 Yellow-Green	B	PE-Cy5-5	376	32.25	652	-6	0.0223	151	Pass
561 Yellow-Green	A	PE-Cy7	74	37.56	477	-6	0.0208	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	-72.34	-71.46	1.03
561 Yellow-Green	-37.80	-36.95	1.00
Blue	0.00	0.00	1.10

Window Extension: 2.00
FSC Area Scaling Factor: 0.85

Threshold

Threshold (FSC): 9546

Fluidics

Sheath Pressure: 24.80 Sample Pressure: 23.79
Nozzle Size: 100

Comments