

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: 01/19/2016 11:42 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	124084	-1	2.75	124319	2.73
Blue	C	SSC	125000	124197	-1	3.38	125219	3.42
Blue	B	Alexa Fluor 488	21893	21691	-1	3.39	496	17.50
Blue	A	PerCP	28999	28640	-2	4.79	565	25.92
Red	C	Alexa Fluor 647	24023	23834	-1	4.65	466	26.14
Red	B	APC-Alexa 700	95610	95838	0	3.18	1646	11.64
Red	A	APC-Cy7	84656	84957	0	4.01	1283	20.46
561 Yellow-Green	E	DsRed	88087	87154	-2	2.14	1946	9.57
561 Yellow-Green	D	PE-Texas Red	79386	78498	-2	2.74	1541	15.86
561 Yellow-Green	C	7-AAD	82932	82642	-1	2.93	1732	17.30
561 Yellow-Green	B	PE-Cy5-5	83720	82971	-1	2.70	1605	14.30
561 Yellow-Green	A	PE-Cy7	22282	21437	-4	3.19	319	18.18

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	13227	6.75	332	-2	N/A	N/A	Pass
Blue	C	SSC	67662	4.33	361	6	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	96	49.42	572	4	0.0239	0	Pass
Blue	A	PerCP	111	65.72	612	-1	0.0042	293	Pass
Red	C	Alexa Fluor 647	119	54.15	597	-4	0.0074	96	Pass
Red	B	APC-Alexa 700	392	23.60	621	3	0.0058	0	Pass
Red	A	APC-Cy7	294	44.53	676	-2	0.0022	168	Pass
561 Yellow-Green	E	DsRed	575	17.88	657	-1	0.3621	0	Pass
561 Yellow-Green	D	PE-Texas Red	428	31.67	652	-2	0.0263	18	Pass
561 Yellow-Green	C	7-AAD	419	37.69	722	-2	0.0282	57	Pass

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561 Yellow-Green	B	PE-Cy5-5	373	33.88	659	1	0.0235	267	Pass
561 Yellow-Green	A	PE-Cy7	75	39.54	480	-3	0.0215	26	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	-71.82	-70.85	1.04
561 Yellow-Green	-37.48	-36.63	1.01
Blue	0.00	0.00	1.15

Window Extension: 2.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 10415

Fluidics

Sheath Pressure: 24.77 Sample Pressure: 23.79
Nozzle Size: 100

Comments