

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: 08/01/2016 11:13 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	124657	-1	2.59	124791	2.59
Blue	C	SSC	125000	124366	-1	3.53	125663	3.60
Blue	B	Alexa Fluor 488	24248	24039	-1	3.48	566	17.17
Blue	A	PerCP	33887	33694	-1	4.95	908	21.97
Red	C	Alexa Fluor 647	25051	24699	-2	4.84	666	22.67
Red	B	APC-Alexa 700	81413	81190	-1	3.63	2223	10.47
Red	A	APC-Cy7	71355	71215	-1	4.55	1791	17.80
561 Yellow-Green	E	DsRed	88389	88211	-1	2.41	2235	9.16
561 Yellow-Green	D	PE-Texas Red	74661	74015	-1	2.92	1771	14.38
561 Yellow-Green	C	7-AAD	84478	83355	-2	3.10	2417	14.74
561 Yellow-Green	B	PE-Cy5-5	76749	76390	-1	3.06	2217	12.22
561 Yellow-Green	A	PE-Cy7	18983	18094	-5	3.78	432	16.02

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16552	4.84	335	0	N/A	N/A	Pass
Blue	C	SSC	63846	3.47	366	7	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	95	52.83	585	1	0.0239	0	Pass
Blue	A	PerCP	141	63.21	634	0	0.0044	327	Pass
Red	C	Alexa Fluor 647	124	53.47	604	1	0.0067	49	Pass
Red	B	APC-Alexa 700	469	20.95	623	1	0.0051	0	Pass
Red	A	APC-Cy7	380	38.56	680	3	0.0020	0	Pass
561 Yellow-Green	E	DsRed	474	20.47	661	0	0.3509	0	Pass
561 Yellow-Green	D	PE-Texas Red	351	35.18	643	-2	0.0278	57	Pass
561 Yellow-Green	C	7-AAD	443	36.82	733	-4	0.0293	48	Pass

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561 Yellow-Green	B	PE-Cy5-5	428	30.96	661	-2	0.0232	240	Pass
561 Yellow-Green	A	PE-Cy7	91	33.84	478	-3	0.0197	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	-72.89	-71.87	1.02
561 Yellow-Green	-38.13	-37.12	0.99
Blue	0.00	0.00	1.09

Window Extension: 2.00
FSC Area Scaling Factor: 0.84

Threshold

Threshold (FSC): 10573

Fluidics

Sheath Pressure: 24.81 Sample Pressure: 23.79
Nozzle Size: 100

Comments