

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: 11/22/2016 12:08 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	119242	-5	5.39	119746	6.50
Blue	C	SSC	125000	122400	-3	5.44	123847	5.79
Blue	B	Alexa Fluor 488	24248	23520	-4	4.52	558	16.64
Blue	A	PerCP	33887	33511	-2	5.79	907	22.67
Red	C	Alexa Fluor 647	25051	24854	-1	4.70	682	23.03
Red	B	APC-Alexa 700	81413	79846	-2	3.43	2131	10.45
Red	A	APC-Cy7	71355	70417	-2	4.34	1700	18.03
561 Yellow-Green	E	DsRed	88389	87014	-2	3.01	2267	9.33
561 Yellow-Green	D	PE-Texas Red	74661	74353	-1	3.48	1778	14.79
561 Yellow-Green	C	7-AAD	84478	83632	-2	3.70	2407	15.50
561 Yellow-Green	B	PE-Cy5-5	76749	76705	-1	3.72	2179	12.94
561 Yellow-Green	A	PE-Cy7	18983	18075	-5	4.34	419	16.47

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17570	5.60	335	0	N/A	N/A	Pass
Blue	C	SSC	63912	4.06	362	3	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	94	52.95	587	3	0.0275	0	Pass
Blue	A	PerCP	141	62.36	640	6	0.0041	222	Pass
Red	C	Alexa Fluor 647	127	52.61	606	3	0.0062	0	Pass
Red	B	APC-Alexa 700	452	21.57	626	4	0.0053	0	Pass
Red	A	APC-Cy7	366	38.73	681	4	0.0020	0	Pass
561 Yellow-Green	E	DsRed	497	19.79	667	6	0.3368	0	Pass
561 Yellow-Green	D	PE-Texas Red	356	33.36	648	3	0.0256	0	Pass
561 Yellow-Green	C	7-AAD	450	36.90	746	9	0.0265	19	Pass

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561 Yellow-Green	B	PE-Cy5-5	426	30.69	672	9	0.0208	117	Pass
561 Yellow-Green	A	PE-Cy7	89	34.59	480	-1	0.0195	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	-72.77	-71.90	1.03
561 Yellow-Green	-37.88	-37.06	0.99
Blue	0.00	0.00	1.12

Window Extension: 2.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 10913

Fluidics

Sheath Pressure: 24.86 Sample Pressure: 23.84
Nozzle Size: 100

Comments