

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: 09/12/2016 11:32 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	125953	0	2.83	126063	2.83
Blue	C	SSC	125000	123180	-2	3.34	124346	3.34
Blue	B	Alexa Fluor 488	24248	23861	-2	3.37	562	17.19
Blue	A	PerCP	33887	34061	0	4.72	914	21.85
Red	C	Alexa Fluor 647	25051	24799	-2	4.79	673	21.81
Red	B	APC-Alexa 700	81413	80614	-1	3.63	2190	10.23
Red	A	APC-Cy7	71355	71121	-1	4.47	1773	17.82
561 Yellow-Green	E	DsRed	88389	88475	0	2.24	2338	8.71
561 Yellow-Green	D	PE-Texas Red	74661	74689	0	2.82	1786	14.33
561 Yellow-Green	C	7-AAD	84478	83907	-1	2.91	2432	14.47
561 Yellow-Green	B	PE-Cy5-5	76749	76219	-1	3.22	2196	14.90
561 Yellow-Green	A	PE-Cy7	18983	18225	-4	3.42	432	15.80

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16254	5.58	339	4	N/A	N/A	Pass
Blue	C	SSC	62757	3.30	368	9	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	96	52.71	587	3	0.0239	0	Pass
Blue	A	PerCP	140	64.51	637	3	0.0045	370	Pass
Red	C	Alexa Fluor 647	125	52.19	600	-3	0.0073	72	Pass
Red	B	APC-Alexa 700	457	21.41	622	0	0.0057	0	Pass
Red	A	APC-Cy7	374	38.45	679	2	0.0020	0	Pass
561 Yellow-Green	E	DsRed	511	19.35	659	-2	0.3710	0	Pass
561 Yellow-Green	D	PE-Texas Red	355	33.99	643	-2	0.0274	23	Pass
561 Yellow-Green	C	7-AAD	443	36.74	733	-4	0.0305	58	Pass

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561 Yellow-Green	B	PE-Cy5-5	418	37.50	700	37	0.0149	187	Pass
561 Yellow-Green	A	PE-Cy7	91	35.07	478	-3	0.0207	5	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	-73.54	-72.49	1.00
561 Yellow-Green	-38.52	-37.46	0.98
Blue	0.00	0.00	1.07

Window Extension: 2.00
FSC Area Scaling Factor: 0.82

Threshold

Threshold (FSC): 9827

Fluidics

Sheath Pressure: 24.78 Sample Pressure: 23.79
Nozzle Size: 100

Comments