

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: 07/19/2017 09:06 AM
 Cytometer Baseline: 01/23/2017 11:58 AM
 P/F: Pass

Setup Beads

Bead Product: CST Setup Beads Part #: 910858
 Lot ID: 77840 Expiration Date: 04/30/2017 (Expired)
 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	125320	0	1.63	125467	1.64
Blue	C	SSC	125000	122446	-3	3.53	123734	3.55
Blue	B	Alexa Fluor 488	24259	23843	-2	2.79	562	17.15
Blue	A	PerCP	32944	32540	-2	5.28	902	22.09
Red	C	Alexa Fluor 647	25168	24536	-3	3.99	671	21.82
Red	B	APC-Alexa 700	79842	77006	-4	4.45	2206	9.80
Red	A	APC-Cy7	70914	68702	-4	5.72	1826	17.44
561 Yellow-Green	E	DsRed	93811	92731	-2	4.57	2360	9.70
561 Yellow-Green	D	PE-Texas Red	71426	70337	-2	4.82	1665	14.71
561 Yellow-Green	C	7-AAD	77597	76428	-2	5.63	2248	15.19
561 Yellow-Green	B	PE-Cy5-5	73870	71400	-4	7.25	2154	13.24
561 Yellow-Green	A	PE-Cy7	22072	20448	-8	8.03	518	16.97

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	15309	2.66	344	9	N/A	N/A	Pass
Blue	C	SSC	63300	2.88	366	7	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	94	53.44	592	6	0.0238	0	Pass
Blue	A	PerCP	139	63.04	642	9	0.0042	318	Pass
Red	C	Alexa Fluor 647	125	52.61	601	-2	0.0071	77	Pass
Red	B	APC-Alexa 700	465	20.90	627	5	0.0069	898	Pass
Red	A	APC-Cy7	392	37.73	683	4	0.0021	212	Pass
561 Yellow-Green	E	DsRed	506	19.92	668	0	0.3684	0	Pass
561 Yellow-Green	D	PE-Texas Red	331	33.48	640	1	0.0281	9	Pass
561 Yellow-Green	C	7-AAD	416	36.98	736	4	0.0305	72	Pass

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561 Yellow-Green	B	PE-Cy5-5	415	31.60	672	7	0.0270	439	Pass
561 Yellow-Green	A	PE-Cy7	111	36.10	496	4	0.0213	80	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	-74.75	-73.74	1.01
561 Yellow-Green	-38.96	-38.04	0.97
Blue	0.00	0.00	1.10

Window Extension: 2.00
FSC Area Scaling Factor: 0.84

Threshold

Threshold (FSC): 9703

Fluidics

Sheath Pressure: 24.74 Sample Pressure: 23.56
Nozzle Size: 100

Comments