

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: 12/05/2016 11:28 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	125330	0	2.40	125526	2.34
Blue	C	SSC	125000	123547	-2	4.41	124898	4.37
Blue	B	Alexa Fluor 488	24248	23830	-2	3.72	561	16.47
Blue	A	PerCP	33887	33580	-1	5.21	891	21.97
Red	C	Alexa Fluor 647	25051	24604	-2	4.66	669	21.57
Red	B	APC-Alexa 700	81413	80905	-1	3.35	2146	10.09
Red	A	APC-Cy7	71355	70669	-1	4.25	1702	17.50
561 Yellow-Green	E	DsRed	88389	91325	3	4.63	2373	9.36
561 Yellow-Green	D	PE-Texas Red	74661	77159	3	4.87	1848	14.59
561 Yellow-Green	C	7-AAD	84478	87471	3	4.89	2512	14.89
561 Yellow-Green	B	PE-Cy5-5	76749	79522	3	4.89	2248	12.75
561 Yellow-Green	A	PE-Cy7	18983	18825	-1	5.28	431	16.29

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17025	4.96	337	2	N/A	N/A	Pass
Blue	C	SSC	64058	3.83	363	4	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	94	50.58	586	2	0.0265	0	Pass
Blue	A	PerCP	137	61.47	637	3	0.0044	234	Pass
Red	C	Alexa Fluor 647	123	51.04	599	-4	0.0073	49	Pass
Red	B	APC-Alexa 700	451	20.66	621	-1	0.0058	0	Pass
Red	A	APC-Cy7	358	38.22	676	-1	0.0022	0	Pass
561 Yellow-Green	E	DsRed	501	20.04	669	8	0.4093	2	Pass
561 Yellow-Green	D	PE-Texas Red	356	34.15	648	3	0.0286	26	Pass
561 Yellow-Green	C	7-AAD	464	36.76	746	9	0.0314	69	Pass

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561 Yellow-Green	B	PE-Cy5-5	421	31.28	671	8	0.0239	208	Pass
561 Yellow-Green	A	PE-Cy7	89	33.48	481	0	0.0208	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	-72.98	-71.95	1.01
561 Yellow-Green	-38.11	-37.12	0.97
Blue	0.00	0.00	1.12

Window Extension: 2.00
FSC Area Scaling Factor: 0.85

Threshold

Threshold (FSC): 10134

Fluidics

Sheath Pressure: 24.84 Sample Pressure: 23.84
Nozzle Size: 100

Comments