

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: 05/18/2020 11:06 AM
 Cytometer Baseline: 01/06/2020 04:02 PM
 P/F: Pass

Setup Beads

Bead Product: CST Setup Beads Part #: 910858
 Lot ID: 83326 Expiration Date: 11/30/2020
 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	124356	-1	2.41	124425	2.47
Blue	C	SSC	125000	123789	-1	6.05	124545	6.07
Blue	B	Alexa Fluor 488	29683	29624	-1	4.76	725	19.99
Blue	A	PerCP	28186	28279	0	6.68	855	30.90
Red	C	Alexa Fluor 647	20935	20531	-2	4.82	579	19.18
Red	B	APC-Alexa 700	64225	63237	-2	4.47	2022	9.36
Red	A	APC-Cy7	56829	55602	-3	5.47	1654	15.94
561 Yellow-Green	E	DsRed	99854	99662	-1	2.20	2426	8.08
561 Yellow-Green	D	PE-Texas Red	76183	75020	-2	2.72	1666	12.74
561 Yellow-Green	C	7-AAD	75562	74837	-1	3.16	2314	13.90
561 Yellow-Green	B	PE-Cy5-5	59959	58883	-2	3.44	1980	11.87
561 Yellow-Green	A	PE-Cy7	13836	13044	-6	4.90	370	15.46

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16082	6.19	435	12	N/A	N/A	Pass
Blue	C	SSC	56775	6.34	380	16	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	117	58.72	650	16	0.0170	0	Pass
Blue	A	PerCP	129	93.50	685	20	0.0026	357	Pass
Red	C	Alexa Fluor 647	110	45.36	569	-10	0.0112	81	Pass
Red	B	APC-Alexa 700	501	18.57	596	-6	0.0104	740	Pass
Red	A	APC-Cy7	415	32.54	648	-8	0.0032	278	Pass
561 Yellow-Green	E	DsRed	526	17.59	639	-8	0.4998	0	Pass
561 Yellow-Green	D	PE-Texas Red	340	29.31	610	-6	0.0377	0	Pass
561 Yellow-Green	C	7-AAD	468	32.60	714	-9	0.0353	0	Pass

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561 Yellow-Green	B	PE-Cy5-5	448	27.16	640	-6	0.0287	157	Pass
561 Yellow-Green	A	PE-Cy7	91	30.62	460	-7	0.0244	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	-73.31	-72.79	1.01
561 Yellow-Green	-38.10	-37.53	0.99
Blue	0.00	0.00	1.17

Window Extension: 2.00
FSC Area Scaling Factor: 1.03

Threshold

Threshold (FSC): 10071

Fluidics

Sheath Pressure: 24.74 Sample Pressure: 23.73
Nozzle Size: 100

Comments