

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: 10/07/2019 11:23 AM
Cytometer Baseline: 10/04/2019 09:26 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads Part #: 910858
Lot ID: 72518 Expiration Date: 09/30/2019 (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	124031	-1	1.84	124075	1.89
Blue	C	SSC	125000	121509	-3	3.52	122526	3.59
Blue	B	Alexa Fluor 488	35423	35193	-1	3.51	867	17.00
Blue	A	PerCP	28278	28223	-1	7.37	815	25.47
Red	C	Alexa Fluor 647	25225	24812	-2	3.92	653	18.74
Red	B	APC-Alexa 700	89163	85377	-5	12.07	3002	8.37
Red	A	APC-Cy7	77655	73228	-6	15.28	2401	14.01
561 Yellow-Green	E	DsRed	100624	99441	-2	4.72	2429	8.71
561 Yellow-Green	D	PE-Texas Red	91271	90150	-2	4.80	2033	13.20
561 Yellow-Green	C	7-AAD	81827	79801	-3	6.13	2518	13.09
561 Yellow-Green	B	PE-Cy5-5	81902	80118	-3	10.38	2807	11.47
561 Yellow-Green	A	PE-Cy7	17622	16096	-9	16.28	492	14.22

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	15119	2.74	366	-3	N/A	N/A	Pass
Blue	C	SSC	58528	3.00	362	2	N/A	N/A	Pass
Blue	B	Alexa Fluor 488	134	53.37	637	0	0.0236	0	Pass
Blue	A	PerCP	115	81.85	647	-3	0.0036	523	Pass
Red	C	Alexa Fluor 647	111	48.50	572	-3	0.0105	125	Pass
Red	B	APC-Alexa 700	439	20.47	604	-8	-0.0034	0	Pass
Red	A	APC-Cy7	346	37.18	656	-9	-0.0057	0	Pass
561 Yellow-Green	E	DsRed	560	17.57	640	0	0.5759	2	Pass
561 Yellow-Green	D	PE-Texas Red	435	28.08	624	1	0.0373	0	Pass
561 Yellow-Green	C	7-AAD	411	34.80	707	-4	0.0458	109	Pass

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561 Yellow-Green	B	PE-Cy5-5	412	31.46	652	-6	-1.9038	0	Pass
561 Yellow-Green	A	PE-Cy7	72	35.01	461	-9	-0.0381	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	-71.65	-71.18	1.05
561 Yellow-Green	-37.32	-36.68	1.01
Blue	0.00	0.00	1.20

Window Extension: 2.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 11495

Fluidics

Sheath Pressure: 24.84 Sample Pressure: 23.77
Nozzle Size: 100

Comments