

Agilent BioTek 50 TS Washer

Technical details

General	
Microplate Types	24-, 96-, and 384-well plates (96- and 384-well: standard and low-profile plates; solid and filter bottom (option), 24-well plates with 4-well manifold)
Onboard Software	Up to 75 user-programmable protocols Quick menu Create or edit custom protocols Run protocols created onboard or downloaded from LHC software
Software (Computer Control)	Optional: Agilent BioTek Liquid Handling Control (LHC) software, for external computer control and operation Agilent BioTek LHC2 Secure software enables 21 CFR Part 11 compliance
Separation	Biomagnetic separation ("M" configurations) Vacuum filtration ("F" configurations)
Shaking	Programmable in minutes and seconds up to 30 minutes
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User Interface	4.3" color LCD touchscreen display
Washing	
Manifold Types	96-well washing: 8-well, 8-well short tube, 2 x 8-well, 12-well manifolds 96- and 384-well washing: 16-well manifold 24-well washing: 4-well manifold
Volume Range	25–3,000 µL/well
Wash Cycles	1–10
Buffer/Reagent Selection	Auto switching module for up to three buffers ("V" configurations)
Supply Bottle	2 L 4 L (optional)
Dispense Precision	96-well plate: 8- and 8s-well manifold, 300 µL/well: ≤ 3.0% CV 12-well manifold, 300 µL/well: ≤ 3.0% CV 2 x 8-well manifold, 300 µL/well: ≤ 4.0% CV 384-well plate: 8- and 16-well manifold, 100 µL/well: ≤ 4.0% CV 24-well plate: 4-well manifold, 120 µL/well: ≤ 4.0% CV
Residual Volume	96-well plate: 8-, 8s-, and 12-well manifold, 3 cycles, 300 µL/well: ≤ 2.0 µL/well 2 x 8-well manifold, 3 cycles, 300 µL/well: ≤ 4.0 µL/well Filter-bottom, 8-, 2 x 8-, and 12-well manifold: ≤ 1.2 g increase after blotting 384-well plate: 8- and 16-well manifold, 1 cycle, 100 µL/well: ≤ 4.0 µL/well 24-well plate: 4-well manifold, 1120 µL/well: ≤ 50 µL/well

Wash Speed	96 wells: 2 x 8 manifold, 3 cycles, 300 µL/well: < 80 s 12-well manifold, 3 cycles, 300 µL/well: < 90 s 8- and 8s-well manifold, 3 cycles, 300 µL/well: < 130 s 384 wells: 8- and 16-well manifold, 3 cycles, 100 µL/well: < 260 s 24 wells: 4-well manifold, 1 cycle, 1120 µL/well: < 60 s
Wash Volume	25–3,000 µL well
Waste Bottle	2 L 4 L (optional)
Flow Rates	150–1,000 µL/well/second (manifold dependent)
Sterilization	Chemical
Fluid Delivery	One positive displacement syringe drive
Physical Characteristics	
Power	External 24 VDC power supply compatible with 100–240 volts AC at 50–60 Hz
Dimensions	15" W x 15" D x 8" H (35.6 x 40.6 x 16.5 cm)
Weight	22 lb (9.8 kg)
Connectivity	1 USB port for computer control

Configurations

Part Number	96-Well	96-/384-Well	Buffer Switching	Biomagnetic Separation*	Vacuum Filtration*
50TS8	•				
50TS8V	•		•		
50TS8M	•			•	
50TS8MV	•		•	•	
50TS8F	•				•
50TS8MF	•			•	•
50TS12	•				
50TS12V	•		•		
50TS16		•			
50TS16V		•	•		

*With available accessory module sold separately.