

ELx50™ Microplate Strip Washer

BioTek's recognized leadership in full-plate microplate washers extends to the ELx50™ Auto Strip Washer. The ELx50's compact footprint contains a powerhouse of washing capabilities unsurpassed in its class. The washer's excellent dispense performance and evacuation efficiency supports 96- and 384-well strip or plate washing. Comprehensive and easy-to-use onboard software provides the utmost flexibility for a variety of applications.



Features:

- Syringe drive fluid-delivery system for precise control over multiple fluid flow rates
- 96- and 384-well microplates
- Patented Dual-Action™ wash manifold for independent control of dispense and aspiration tubes
- Fully programmable onboard software for customized assay requirements
- Unique priming trough built into removable microplate carrier for effortless priming and easy maintenance
- Automatic buffer switching of up to three wash buffers
- Automatic liquid level sensing



Automated Liquid Level Sensing:



The Liquid Level Alert™ option allows users the convenience of continuous monitoring for both supply and waste bottles. At the beginning and end of a wash protocol, the liquid level is verified to ensure sufficient wash buffer remains in the designated dispense bottle to complete a microplate wash. Sufficient storage capacity in the waste bottle is also verified.

Applications:

- ELISA
- Cell-based assays

Models:

Model	Part #	96-well only	96-/384-well	Valve option
ELx50™	ELX50/8	•		
	ELX50/8V	•		•
	ELX50/12	•		
	ELX50/12V	•		•
	ELX50/16		•	
	ELX50/16V		•	•

Additional models available. See website for complete listing.

Optional Accessories:

- 8- or 12-channel manifold
- Product Qualification Package

Specifications:

Microplate Types:	96- and 384-well (model dependent) Flat-bottom 96-well plates, all 384-well plates and 1x8 flat-bottom strips (16-channel) All 96-well plates, 1 x 8 strips (8-channel) All 96-well plates, 1 x 12 strips (12-channel)
Manifold Type:	16-channel patented Dual-Action, with separate dispense/aspiration (16-channel) 8-channel dispense/aspiration (8-channel) 12-channel dispense/aspiration (12-channel)
Processing Speed:	< 250 seconds for 3 cycles, 100 µL/well, 384-well (16-channel) < 130 seconds for 3 cycles, 300 µL/well, 96-well (16-channel)
Wash Cycles:	1 to 10
Volume Range:	25 to 3000 µL/well
Fluid Delivery:	Internal positive displacement syringe pump
Buffer Selection:	Optional switching of up to 3 wash buffers
Dispense Precision:	≤ 3% CV
Residual Volume:	≤ 2 µL/well
Onboard Software:	75 programs Program linking Overflow wash/overflow protection Multiple maintenance programs
Soak Time:	1 to 600 seconds
Shaking:	User-programmable speeds and timing
Sterilization:	Chemical
Dimensions:	Depth: 16" (40.6 cm) Width: 14" (35.6 cm) Height: 6.5" (16.5 cm)
Weight:	20 lbs (8.9 kg)
Power:	Compatible with 100 to 240 V~ ±10% at 50-60 Hz

*Specifications subject to change