

## 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 accuracy 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
- Patented Dual-Action™ manifold washes both 96- and 384-well plates precisely (16-channel model)
- Unique priming trough built into removable microplate carrier for effortless priming and easy maintenance
- Automatic buffer switching for up to three buffers (V models)

### Applications

- ELISA
- Cell-based assays

### Optional Accessories

8- or 12-channel manifold  
Product Qualification Package

### Models

**ELx50:** 96/384-well washer available with 8-, 12- or 16-channel manifold and optional buffer switching

See price list or Web site for complete model listings and descriptions.

### Specifications\*

**Microplate Types:**

Flat-bottom 96-well plates, all 384-well plates and 1 x 8 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)

**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:**

1-10

**Volume Range:**

25 to 3000 µl per well

**Fluid Delivery:**

Internal positive displacement syringe pump

**Buffer Selection:**

Valve module (optional) - up to 3 buffers

**Dispense Precision:**

< 2.5% CV typical (16-channel)  
< 2% CV typical (8-,12-channel)

**Residual Volume:**

< 0.5 µl/well (16-channel)  
< 1 µl/well (8-,12-channel)

**Soak Time:**

1 to 600 seconds

**Shaking:**

User-programmable speeds and timing

**Manifold:**

16-channel patented Dual-Action, with separate dispense/aspiration (16-channel)  
8-channel aspiration/dispense (8-channel)  
12-channel aspiration/dispense (12-channel)

**Sterilization:**

Chemical

**Power:**

100 to 240 VAC, 50 to 60 Hz

**Onboard Software:**

75 programs  
Program Linking  
Overflow wash/overflow protection  
5 maintenance programs

**Dimensions:**

16" D x 14" W x 6.5"H  
(40.6 cm x 35.6 cm x 16.5 cm)

**Weight:**

20 lbs (8.9 kg)

\* Specifications subject to change



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