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:

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<th>96-well only</th>
<th>96-/384-well</th>
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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/overfill 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