



Features

As a self contained and programmable instrument, the ELx50 allows for full control of precise fluidic delivery from the gentle dripping of a simple squeeze bottle to the full force of pressure delivery systems.

The ELx50 is a fast and versatile automated strip washer which comes equipped with our patented Dual-Action 16-channel manifold. This breakthrough design allows for independent control of the dispense and aspiration manifolds for overflow washing and overflow protection in both 96- and 384-well formats. The problem of fitting dispense and aspirate tubes into a much smaller 384-well is solved with the ELx50.



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Additionally, in a 96-well format, the Dual-Action manifold provides incomparable wash performance with two sets of dispense and aspiration tubes per well. This exclusive method of two-fold aspiration guarantees low residuals. The ELx50 is the perfect solution for low volume users of both 96- and 384-well microplates.

Specifications

Microplate types	All flat-bottom 96-well plates, 384- or 96-well flat-bottom plates, 1x8 flat-bottom strips (16-channel) 1x8 strips (8-channel) 1x12 strips (12-channel)
Processing speed	<130 seconds (3 cycles, 300 μ l/well, 96 wells) <250 seconds (3 cycles, 100 μ l/well, 384 wells)
Wash cycles	1-10
Volume range	25 to 3000 μ l/well
Fluid delivery	Internal positive displacement syringe pump
Dispense precision	<2.5% CV typical (8, 12, 16 channel)
Residual volume	<1 μ l/well (8, 12 channel) <0.5 μ l/well (16 channel)
Manifold	16-channel patented Dual-Action, with separate dispense/aspiration (16-well)
Dimensions	16" D x 14" W x 6.5" H
Weight	20 lbs
Regulatory	IVD Directive, CE and ETL marked.

Instrumentation

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