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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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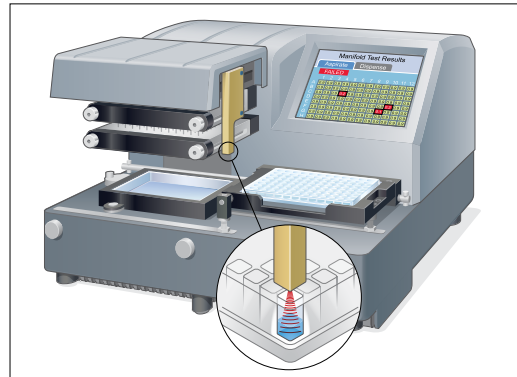
405™ Touch Washer

The 405™ Touch Microplate Washer incorporates a high resolution touchscreen user interface for intuitive and flexible onboard instrument control of 96- and 384- well microplate washing. The 5.7" graphical color display and onboard software guide users through protocol development, instrument maintenance and daily use at the touch of a finger. For those who prefer computer control or require 21 CFR Part 11 compliance, the 405 Touch can be controlled with optional Liquid Handling Control™ Software.

The 405 Touch is available in many configurations to suit a range of workflow requirements, including optimized cell washing, high strength biomagnetic separation, and fast, efficient vacuum filtration processes. The 405 Touch is Luminex® xMAP® approved. The available patented Verify™ Technology for clog detection and patented Ultrasonic Advantage™ automated manifold cleaning capability make this a truly self-maintaining system, increasing productivity and decreasing downtime for unplanned maintenance.



Patented Verify™ Technology:



Verify™ Technology detects clogs in the dispense and aspirate tubes prior to washing, thus preventing assay failure due to clogging.

Features:

- 96- and 384-well microplates
- Resistive touch screen display works with gloves
- Onboard computer with extensive, intuitive software
- Context-sensitive help, instructional videos and pre-defined sample programs for easy operation
- Automated internal 4-buffer switching option
- Quick change manifold design
- Gentle dispense for non-disruptive cell washing
- Patented Dual-Action™ manifold for overflow washing
- Available patented Verify Technology for clog detection
- Patented Ultrasonic Advantage automated manifold cleaning
- Pre-programmed maintenance routines ensure trouble-free operation
- BioStack™ Microplate Stacker for up to 50 plates
- BioSpa™ 8 Automated Incubator compatible for assay automation

Typical Applications:

- Cell-based assays
- ELISAs
- MSD assays
- HCS immune cytochemistry
- Calcium flux assays
- Magnetic and polystyrene bead processing (gene expression and cytokine assays)
- ELISPOT assays
- Filtration to waste processes

Configurations:

405 TS:	For 96-well microplate washing
405 Select TS:	For 96-/384-well microplate washing
405 HT TS:	For 384-well microplate washing

A complete list of configurations is available on the 405 Touch product page on BioTek's website.

Optional Accessories:

- Dispense/Waste Systems – choice of 4L or 10L bottles and standard, high flow or direct drain vacuum pumps
- Magnets – choice of 96- or 384-well formats and flat or ring immobilization patterns
- Vacuum Filtration Module
- Product Qualification Package
- Liquid Handling Control™ PC Software
- BioStack™ Microplate Stacker
- BioSpa™ Automated Incubator



405TS interfaces with BioStack for automated multiple plate processing.



The 405™ Touch is Luminex® xMAP® approved. Luminex® and xMAP® are registered trademarks of Luminex Corporation. 405 Touch patents include US 8,858,718, US 5,951,783, EP 1 637 887 B2 and EP 2 093 572 B1.

Specifications:

Note: Available features, options and associated performance specifications vary by 405 Touch configuration. Consult configuration comparison chart on www.biotek.com for details.

General

Microplate types:	96- and 384-well Low profile and standard height Solid and filter bottom <ul style="list-style-type: none"> • Filter pore sizes 0.45 µm to 1.2 µm
Manifold types:	<u>96-well washing:</u> 96-tube (8x12) manifold <u>96-/384-well washing:</u> Dual-Action™ 96-tube (8x12) <u>384-well washing:</u> Dual-Action™ 192-tube (16x12)
Volume range:	25 – 3,000 µL/well
Buffer selection:	Automated internal switching of up to 4 wash buffers
Flow rates:	1 – 11, slow to fast, including low flow cell wash rates
Wash cycles:	1 – 250
Dispense precision:	≤3% CV
Residual volume:	≤2 µL/well (solid bottom plates)
Shaking:	Programmable in min/sec, up to 60 minutes Intensities – slow, medium, fast or variable
Soak time:	Programmable in min/sec, up to 60 minutes
Wash speed:	<u>96-well:</u> <ul style="list-style-type: none"> • 3 cycles, 300 µL/well, 96-tube manifold, final aspirate: ≤30 seconds <u>384-well:</u> <ul style="list-style-type: none"> • 3 cycles, 100 µL/well, 96-tube manifold, final aspirate: ≤80 seconds • 1 cycle, 400 µL/well, 384 wells, 192-tube manifold, final aspirate: ≤20 seconds
Fluid delivery:	Internal positive displacement pump
User interface:	High resolution touch screen with 5.7" color graphical display
Magnet:	High strength 96- and 384-well formats: flat and ring-shaped Flat magnets pull beads into band across flat-bottom wells, pulls beads to bottom of round-bottom wells; Ring magnets pull beads to a 4-zone ring at the well bottom
Onboard software:	Pre-defined sample methods for many applications Complete custom protocol creation and edition Protocols created onboard, via download from LHC™ or transferred on USB drive. Pre-defined maintenance routines Context-sensitive Help system and instructional videos
PC software:	Liquid Handling Control™ (LHC); optional
Automation:	BioStack and 3 rd party automation compatible BioSpa™ 8 Automated Incubator compatible

Physical Characteristics

Dimensions:	17"D x 14"W x 10"H (43.2 x 35.6 x 25.4 cm)
Weight:	With internal buffer switching – 36 lbs (16.5 kg) Without internal buffer switching – 30 lbs (13.5 kg)
Power:	100 – 240 Volts AC. 50/60 Hz

Regulatory

CE and TUV marked, RoHS compliant. *In Vitro* Diagnostic use models are available.

Performance values represent the average observed factory test values. Specifications subject to change.



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