Offering you simplicity with Thermo Scientific ELISA workflow solutions

Enzyme-linked immunosorbent assays (ELISAs) are commonly used in diagnostic, as well as quality control laboratories. The assays are used for identifying and quantifying analytes using antibody–antigen reactions. The Thermo Scientific Multiskan FC microplate photometer and Thermo Scientific Wellwash microplate strip washers provide an easy-to-use modular solution for routine and research ELISAs. In addition, Thermo Fisher Scientific offers a wide selection of dispensers, incubator/shakers, manual pipettes, microplates and reagents to complete all your ELISA needs.

Easy-to-use microplate reader and microplate strip washer

The Multiskan™ FC and Wellwash® strip washers feature a large color display with a logical and intuitive graphical user interface, which makes the assay extremely easy to set up. The internal software of both instruments is available in eight different languages (English, French, German, Spanish, Portuguese, Russian, Japanese and Chinese). A context specific help feature ensures that protocols are developed quickly and easily, with minimal user training, guaranteeing that all users can effectively use the equipment regardless of experience levels. This results in an increase in ELISA productivity and throughput.

Challenges in ELISA

Reducing background noise and variation is one of the challenges during the assay. To ensure reliable results with excellent accuracy and precision, while maximizing assay sensitivity, high quality washing and reading are essential. In addition, effortless result interpretation and reporting are crucial to day-to-day routine ELISAs.

Efficient removal of unbound materials with Wellwash strip washers

The Wellwash and Wellwash Versa strip washers are designed for the accurate and precise dispensing and aspiration of washing solutions via specially designed wash heads. The washing parameters are easily adjustable to guarantee the best possible washing performance. These strip washers incorporate a sweep mode to ensure extremely low residual volumes to enable the efficient removal of un-bound antibodies and other disturbing assay components, thus decreasing background noise and increasing the reliability of ELISA data.

Reliable results with Multiskan FC

The Multiskan FC microplate photometer is an excellent reader for performing qualitative and quantitative ELISAs. The proven and patented optical design, in combination with the auto-calibration procedure performed during each measurement, guarantees excellent performance and ensures consistent reading of results, increasing the reliability of the ELISA data. The Thermo Scientific SkanIt Software, designed for use with the Multiskan FC, makes the assay easy to set up by incorporating several ready-made calculations including quantitative and qualitative classification and quality control.

Find the right instrument for your laboratory from the Thermo Scientific family of ELISA products.

Also available

• A complete range of 384- and 96-well solid and strip microplates
• A complete range of Thermo Scientific single and multichannel pipettes, tips and consumables
• Laboratory automation solutions for microplate instrument systems
• Automated Liquid Handling systems

For additional information, contact your Thermo Fisher Scientific sales representative or visit:

Microplate Readers www.thermoscientific.com/platereaders
Microplate Washers www.thermoscientific.com/wellwash
Finnpipette Pipetting Solutions www.thermoscientific.com/pipette
Microplate Dispensers www.thermoscientific.com/multidrop
ELISA Solutions www.thermoscientific.com/ELISA
ELISA Reagents www.thermoscientific.com/ELISA
Centrifuges www.thermoscientific.com/centrifuges
Microplates www.nuncbrand.com

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Thermo Scientific
ELISA Solutions
### Thermo Scientific ELISA Workflow Solution

#### PREPARE SAMPLES

**Centrifuges and Sample storages**

- Pipettes or Reagent dispensers

#### ADD REAGENTS

**Wellwash Versa**

- Dual Step Microplate Washer
- Intuitive graphical user interface
- Fast spectral and endpoint reads
- Reads 96- and 384-well plates
- Large color display for ease-of-use
- Exceptional capacity, performance, and superior reach and plate handling capabilities

**Finnpipette F1**

- Single and multichannel manual pipettes
- Advanced volume gearing mechanism for enhanced pipetting performance
- Super blow-out piston with volumes of 50 µl and below for improved delivery of micro-sized drops
- Robotic compatible

**Finnpipette F2**

- Single and multichannel manual pipettes
- Double-action pipetting button to prevent accidental volume changes
- Super blow-out piston with volumes of 50 µl and below for improved delivery of micro-sized drops
- Low pipetting forces for enhanced ergonomics

#### INCUBATE

**Inbucor/Shakers**

- Exceptional temperature uniformity across the plate
- Superior sensitivity and specificity for ELA assays
- Temperature range up to 40°C, and up to 96% on HT
- Capacity of up to 9 plates, 3 plates on the HT

**Multidrop 384**

- Reagent Dispenser
- 96- and 384-well plate formats
- Volume range: 5-385 µl
- Flexible plate height 5 - 50 mm
- Auto-Lock
- Exceptional capacity, performance and superior reach and plate handling capabilities

#### WASH

**Microplate washers**

- Large color display for ease-of-use
- Enhanced ergonomics: tip ejection mechanism for enhanced pipetting of 50 µl and below for improved delivery of micro-sized drops
- Double-action pipetting button to prevent accidental volume changes
- Optimal washing performance with low residual volumes
- Un-pressurized bottles for safety

#### ADD REAGENTs

**Wellwash Versa**

- Dual Step Microplate Washer
- Intuitive graphical user interface
- Fast spectral and endpoint reads
- Reads 96- and 384-well plates

**Finnpipette F1**

- Single and multichannel manual pipettes
- Advanced volume gearing mechanism for enhanced pipetting performance
- Super blow-out piston with volumes of 50 µl and below for improved delivery of micro-sized drops
- Antimicrobial surface preventing fungus performance mechanism for enhanced pipetting of micro-sized drops
- Optimized washing performance

**Finnpipette F2**

- Single and multichannel manual pipettes
- Double-action pipetting button to prevent accidental volume changes
- Super blow-out piston with volumes of 50 µl and below for improved delivery of micro-sized drops
- Low pipetting forces for enhanced ergonomics

#### READ AND ANALYZE

**Microplate photometers**

- Reliable, high speed bench-top plate mover with superior reach and plate handling capabilities

**General Purpose Centrifuges**

- Exceptional capacity, performance and ease-of-use in a remarkably small footprint
- Auto-Lock® rotor exchange provides secure push-button application versatility
- Lightweight and durable performance from Fiberlite carbon fiber rotors
- One-handed, certified sample protection with ClickSeal® containment lids

**RapidStak® Automated Microplate Stacker**

- Works seamlessly with Multiskan FC, Multiskan GO, Wellwash Versa, Multipipette and Multidrop 384
- Schedule and automate any two instruments with the Thermo Scientific Polara RS software
- Capacity from 30 to 150 plates
- Quick and easy setup

**Orbitor RS Microplate mover**

- Works seamlessly with Multiskan FC, Multiskan GO, Wellwash Versa and Multipipette Combi
- Schedule and automate one or more instruments with Thermo Scientific Momentum Workflow Software
- Reliable, high speed bench-top plate mover with superior reach and plate handling capabilities

**ELISA Kits and Reagents**

- Complete target-specific ELISA kits - A variety of immunoassay kit configurations provide reagents for 96-well microplate assays for quantitative measurement of individual cytokine, chemokine and other markers
- Individual ELISA components - includes pre-coated and custom plate coating services, blocking and wash buffers and antibodies and secondary detection reagents

For additional information:
- [www.thermoscientific.com/spinit](http://www.thermoscientific.com/spinit)
- [www.thermoscientific.com/elisa](http://www.thermoscientific.com/elisa)