

## 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.



Thermo Scientific Wellwash Versa

### 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.



Thermo Scientific Multiskan FC

## 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](http://www.thermoscientific.com/platereaders)

### Microplate Washers

[www.thermoscientific.com/wellwash](http://www.thermoscientific.com/wellwash)

### Finnpipette Pipetting Solutions

[www.thermoscientific.com/pipette](http://www.thermoscientific.com/pipette)

### Microplate Dispensers

[www.thermoscientific.com/multidrop](http://www.thermoscientific.com/multidrop)

### ELISA Solutions

[www.thermoscientific.com/ELISAsolutions](http://www.thermoscientific.com/ELISAsolutions)

### ELISA Reagents

[www.thermoscientific.com/ELISA](http://www.thermoscientific.com/ELISA)

[www.thermoscientific.com/oxid](http://www.thermoscientific.com/oxid)

### Centrifuges

[www.thermoscientific.com/centrifuges](http://www.thermoscientific.com/centrifuges)

### Microplates

[www.nuncbrand.com](http://www.nuncbrand.com)

## Reference Guide

# Thermo Scientific ELISA Solutions

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Netherlands +31 76 571 4440, Nordic/Baltic countries +358 9 329 100, Russia/CIS +7 (495) 739 76 41,

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# Thermo Scientific ELISA Workflow Solution

## PREPARE SAMPLES

Centrifuges and Sample storages



## ADD REAGENTS

Pipettes or Reagent dispensers



## INCUBATE

Incubator/Shakers



## WASH

Microplate washers



## ADD REAGENTS

Pipettes or Reagent dispensers



## READ AND ANALYZE

Microplate photometers



### Multiskan FC

Microplate Photometer

- Reliable and robust ELISA reader for research and routine applications
- Large color screen for easy stand alone use
- Stand-alone or PC control in multiple languages
- Advanced SkanIt Software
- Reads 96- or 384-well plates



Model	Cat. No.
Multiskan FC, 100-240 V	51119000
Multiskan FC with incubator, 100-240 V	51119100

### Wellwash Versa

Dual Strip Microplate Washer

- Large color display for ease-of-use
- Intuitive graphical user interface with multiple language versions
- Optimal washing performance with low residual volumes
- Un-pressurized bottles for safety and convenience
- Cell washing and 384-well plate washing for increased flexibility
- Robot compatibility for increased throughput



Model	Cat. No.
Wellwash Versa, 100-240 V	5165010

### 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



Model	Cat. No.	Model	Cat. No.
F2 Single Channel, 1-10 µl	4642030	F2 8-Channel, 1-10 µl	4662000
F2 Single Channel, 5-50 µl	4642130	F2 8-Channel, 30-300 µl	4662030
F2 Single Channel, 20-200 µl	4642080	F2 12-Channel, 1-10 µl	4662040
F2 Single Channel, 100-1000 µl	4642090	F2 12-Channel, 30-300 µl	4662070

### RapidStak®

Automated Microplate Stacker

- Works seamlessly with Multiskan FC, Multiskan GO, Wellwash Versa, Multidrop Combi 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



Model	Cat. No.
RapidStak	F01350
RapidStak 2x	F01351
30 Plate Stak	F01436
50 Plate Stak	F01437
Polara® RS	Inquire

### Multiskan GO

UV/Vis Microplate and Cuvette Spectrophotometer

- Reads 96- and 384-well plates and various types of cuvettes
- Wavelength selection from 200 to 1000 nm in 1 nm increments
- Stand-alone or PC control in multiple languages
- Fast spectral and end-point measurements
- Continuous self diagnostics and calibration
- Automatic power save



Model	Cat. No.
Multiskan GO w/out cuvette, 100-240 V	51119200
Multiskan GO w/ cuvette, 100-240 V	51119300

### iEMS® Incubator/Shaker

Microplate Incubator and Orbital Shaker

- Exceptional temperature uniformity across the plate
- Efficient orbital shaking
- Superior sensitivity and specificity for EIA assays
- Temp range up to 40°C, and up to 69°C on HT
- Capacity of up to 9 plates, 3 plates on the HT



Model	Cat. No.
iEMS Incubator/Shaker HT, 1-cabin, 220-240 V	5112250
iEMS Incubator/Shaker HT, 1-cabin, 100-120 V	5112257
iEMS Incubator/Shaker, 3-cabin, 220-240 V	5112200
iEMS Incubator/Shaker, 3-cabin, 100-120 V	5112207

### Multidrop 384

Reagent Dispenser

- 96- and 384-well plate formats
- Volume range: 5-395 µl
- Precise and reliable dispensing
- Autoclavable dispensing cassettes
- Designed for ease-of-use
- Robotic compatible



Model	Cat. No.
Multidrop 384, 220-240 V	5840150
Multidrop 384, 100-120 V	5840157

### 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® biocontainment lids



For additional information:  
[www.thermoscientific.com/spint](http://www.thermoscientific.com/spint)

### Wellwash

Microplate Washer

- Large color display for ease-of-use
- Intuitive graphical user interface with multiple language versions
- Optimal washing performance with low residual volumes
- Un-pressurized bottles for safety and convenience



Model	Cat. No.
Wellwash, 100-240 V	5165000

### 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 growth of bacteria, microbes and fungus
- Enhanced ergonomics: tip ejection forces reduced by up to 50%



Model	Cat. No.
F1 Single Channel, 1-10 µl	4641030
F1 Single Channel, 5-50 µl	4641140
F1 Single Channel, 20-200 µl	4641080
F1 Single Channel, 100-1000 µl	4641100
F1 8-Channel, 1-10 µl	4661000
F1 8-Channel, 30-300 µl	4661030
F1 12-Channel, 1-10 µl	4661040
F1 12-Channel, 30-300 µl	4661070

### Multidrop Combi

Reagent Dispenser

- Volume range: 0.5 - 2500 µl
- Flexible plate height 5 - 50 mm
- 6 - 1536-well plate formats
- Ultimate versatility for reagent dispensing
- Easy to use visual user interface with color display
- Multidrop Combi SMART with inbuilt tracking system for real time tracking of dispensing cassette usage
- Robotic compatible



Model	Cat. No.
Multidrop Combi, 100-240V	5840300
Multidrop Combi with SMART option, 100-240 V	5840310

### 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/elisa](http://www.thermoscientific.com/elisa)