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, quaranteeing 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, quarantees excellent performance and ensures consistent reading of results, increasing the reliability of the ELISA data. The Thermo Scientific Skanlt 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.



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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

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Microplates

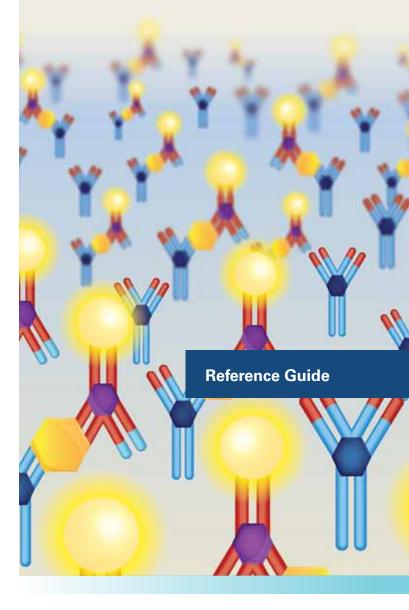
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Thermo Scientific

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





Microplate photometers

READ AND ANALYZE



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 Skanlt Software
- Reads 96- or 384-well plates

Multiskan GO

UV/Vis Microplate and

various types of cuvettes

Cuvette Spectrophotometer

Reads 96- and 384-well plates and

· Wavelength selection from 200 to

1000 nm in 1 nm increments

Stand-alone or PC control in

· Fast spectral and end-point

Continuous self diagnostics and

multiple languages

Automatic power save

measurements

calibration



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

iEMS® Incubator/

· Exceptional temperature uniformity

· Superior sensitivity and specificity

• Temp range up to 40°C, and up to

· Capacity of up to 9 plates, 3 plates

Model

iEMS Incubator/Shaker HT,

iEMS Incubator/Shaker HT.

1-cabin, 220-240 V

1-cabin, 100-120 V

3-cabin, 220-240 V

3-cabin, 100-120 V

iEMS Incubator/Shaker.

iEMS Incubator/Shaker.

Microplate Incubator

and Orbital Shaker

· Efficient orbital shaking

across the plate

for EIA assays

69°C on HT

on the HT

Shaker



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.
F2 Single Channel, 1-10 µl	4642030
F2 Single Channel, 5-50 µl	4642130
F2 Single Channel, 20-200 µl	4642080
F2 Single Channel, 100-1000 ul	4642090



Model	Cat. No.
F2 8-Channel, 1-10 µl	4662000
F2 8-Channel, 30-300 µl	4662030
F2 12-Channel, 1-10 µl	4662040
F2 12-Channel, 30-300 μl	4662070

Cat. No.

5840150

5840157

Orbitor RS

· Quick and easy setup

RapidStak®

Stacker

Multidrop 384

Automated Microplate

FC. Multiskan GO. Wellwash

Versa, Multidrop Combi and

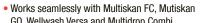
· Works seamlessly with Multiskan

Schedule and automate any two

instruments with the Thermo

Scientific Polara RS software

Capacity from 30 to 150 plates



Polara® RS





Microplate mover

- GO. Wellwash Versa and Multidrop Combi
- · Reliable, high speed bench-top plate mover with superior reach and plate handling capabilities



Inquire

General Purpose

 Exceptional capacity, performance and ease-of-use in a remarkably small footprint

Centrifuges

- 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/spinit

Multidrop 384

• 96- and 384-well plate formats

Precise and reliable dispensing

Autoclavable dispensing cassettes

Reagent Dispenser

• Volume range: 5-395 µl

Designed for ease-of-use

Robotic compatible

- Flexible plate height 5 50 mm
- dispensing
- Easy to use visual user interface with color display
- inbuilt tracking system for real time tracking of dispensing cassette usage
- Robotic compatible



Multidrop 384, 220-240 V

Multidrop 384, 100-120 V

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

Wellwash

Microplate Washer

low residual volumes

- Large color display for ease-of-use Intuitive graphical user interface
- with multiple language versions Optimal washing performance with
- · Un-pressurized bottles for safety



Cat. No.

51119200

51119300

a convenience		
	Model	Cat. No
	Wellwash, 100-240 V	516500

Model

100-240 V

Multiskan GO w/out

cuvette, 100-240 V

Multiskan GO w/ cuvette,

Finnpipette® F1

Single and multichannel manual pipettes

- Advanced volume gearing mechanism for enhanced pipetting performance
- Super blow-out piston with volumes of 50 ul and below for improved delivery of micro-sized drops Antimicrobial surface preventing

growth of bacteria, microbes and

 Enhanced ergonomics: tip ejection forces reduced by up to 50%

fungus



Cat. No.

5112250

5112257

5112200

5112207

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 μ l	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
- 6 1536-well plate formats
- Ultimate versatility for reagent
- Multidrop Combi SMART with



- 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