ThermoFisher SCIENTIFIC

Absorbance REDEFINED



Modernize your absorbance measurements

Count on the elegant simplicity of the Multiskan Ease Absorbance Microplate Reader



Why the Multiskan Ease Absorbance Microplate Reader matters

Engineered for reliability, built for confidence, and designed for ease

For nearly 50 years, Thermo Scientific™ Multiskan™ readers have defined reliability and precision in absorbance measurement. Now that legacy continues with the Thermo Scientific™ Multiskan™ Ease Absorbance Microplate Reader, the natural evolution of a trusted name, modernized for the way today's labs work.

Designed and engineered for researchers who demand affordable, consistent, reproducible data without unnecessary complexity, the Multiskan Ease reader combines intuitive operation, advanced optics, and smooth workflow integration to make absorbance assays easier from setup to analysis.

With streamlined Thermo Scientific™ SkanIt™ Software, users can access preloaded protocols, templates, and analysis tools that simplify setup, streamline curve fitting, and accelerate data interpretation.

And with versatile data export options, including USB, network, and cloud pathways, you can move results wherever your workflow requires, supporting flexible collaboration and efficient data management.

Whether you're performing ELISAs, protein quantitation, enzyme kinetics, or cell viability assays, the Multiskan Ease reader promotes accuracy, consistency, and confidence in every result.

The Multiskan Ease Absorbance Microplate Reader brings high-quality absorbance measurement into a new era, combining a legacy of dependability with the modern simplicity your lab deserves.

Because when every read matters, precision should feel effortless.

What makes it easy

Built with the researcher in mind, the Multiskan Ease reader pairs trusted Thermo Scientific™ product performance with modern usability, allowing dependable data, streamlined workflows, and easy operation across all your absorbance applications.

Intuitive operation that saves time

- 8-inch touchscreen simplifies setup and helps provide immediate data visibility
- Multilingual interface supports diverse teams and reduces training requirements

Smart software for strong results

- SkanIt Software streamlines plate setup, data analysis, and reporting with intuitive workflows and ready-to-use protocols, helping you minimize errors and accelerate time-to-results
- Compliance-ready tools support audit trails and regulated workflows

Exceptional optical performance for data you can trust

- High-stability LED light source allows consistent illumination with no routine lamp replacements
- Advanced optics and precise temperature control enable highly reproducible results across plates and runs
- Redesigned 8-position filter wheel plus hard-coated filters improve flexibility and durability

Verified reliability for everyday confidence

- Patented optics and built-in self-diagnostics support stable, dependable performance
- Backed by Thermo Fisher Scientific's long-standing reputation for quality and service

Workflow flexibility that adapts to your needs

- Compatible with 96- and 384-well plates for easy scaling to higher throughput
- Integrated shaking and incubation at up to 45°C enhance assay performance and reproducibility

Connectivity that simplifies data handling

- USB-C and USB-A ports enable fast, flexible data transfer
- Automation-compatible and cloud-enabled for data storage and sharing, supporting modern digital workflows
- Store up to 700,000 measurements from full 96-well plates and 1,500 protocol files on the instrument

8-position optical filter wheel

Flexible, durable, and easy to maintain

The Multiskan Ease Absorbance Microplate Reader features an 8-position optical filter wheel designed for improved usability and long-term performance.

Tool-free filter replacement

Quick, tool-free installation reduces downtime and simplifies maintenance.

Hard-coated optical filters

Durable, stable filters designed for long service life and consistent optical performance.

Ready for routine assays

Preinstalled standard filters (405, 450, and 620 nm) support common ELISA and absorbance applications out of the box.

Expandable as you grow

Optional filters allow you to expand wavelength coverage as application needs evolve.





Reliable, accurate microplate assay performance

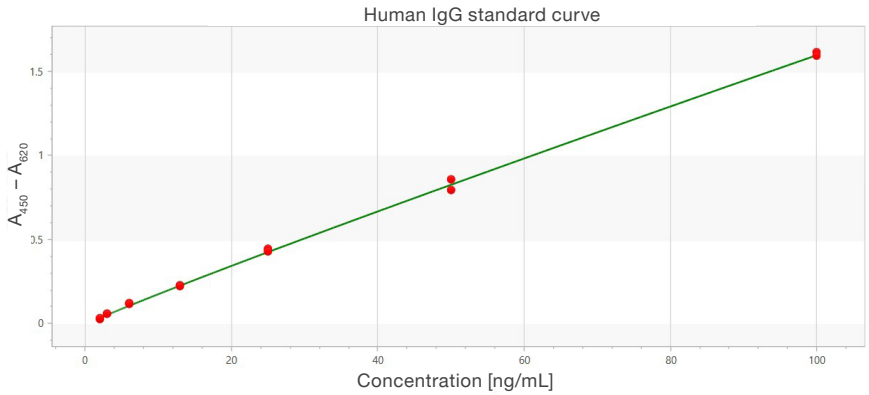


Figure 1. Example ELISA standard curve generated using the Multiskan Ease Absorbance Microplate Reader, with 4PL curve fit analyzed in SkanIt Software.

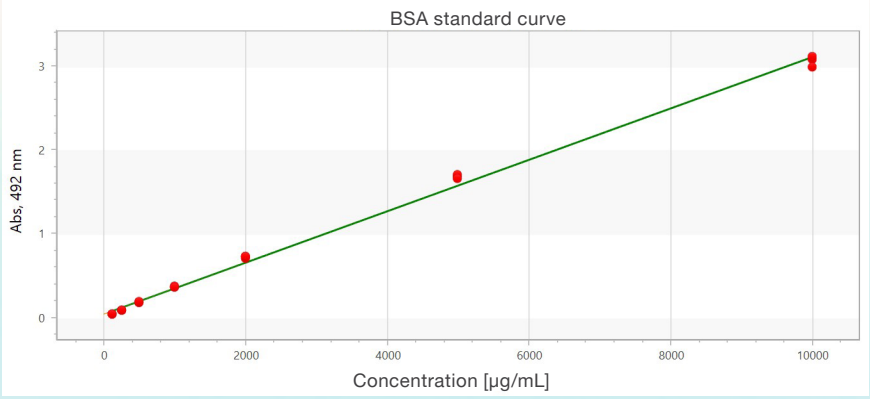


Figure 2. Example protein assay standard curve generated using the Multiskan Ease Absorbance Microplate Reader, with linear curve fit analyzed in SkanIt Software.

SkanIt Software for the Multiskan Ease reader

Intuitive control and analysis for absorbance assays

The intuitive interface of the updated SkanIt Software can guide you through the measurement process to help you get the results you need. With SkanIt Software, you have full control over the instrument settings for all of your Thermo Scientific™ microplate readers.

SkanIt Software provides easy, guided control of the Multiskan Ease reader, enabling fast setup and reliable absorbance measurements. The intuitive interface supports endpoint and kinetic assays, while built-in analysis tools simplify data interpretation. Flexible data visualization and one-click export make SkanIt Software an ideal choice for routine and advanced absorbance workflows.

- Set up assays quickly with an intuitive, guided user interface
- Run common absorbance workflows with confidence, including endpoint and kinetic measurements
- Simplify data analysis using built-in curve fitting and enzyme kinetics calculations
- Visualize results clearly with customizable graphs and tables
- Export data instantly to Microsoft™ Excel™ software or common file formats for reporting and sharing
- Reduce software costs with license-free software that can be installed on multiple computers, with no annual fees
- Drug Discovery Edition available—enhances data security by using a database and includes FDA 21 CFR Part 11 compliance features such as digital signatures, authenticated user logins, and comprehensive audit trails

A **B**

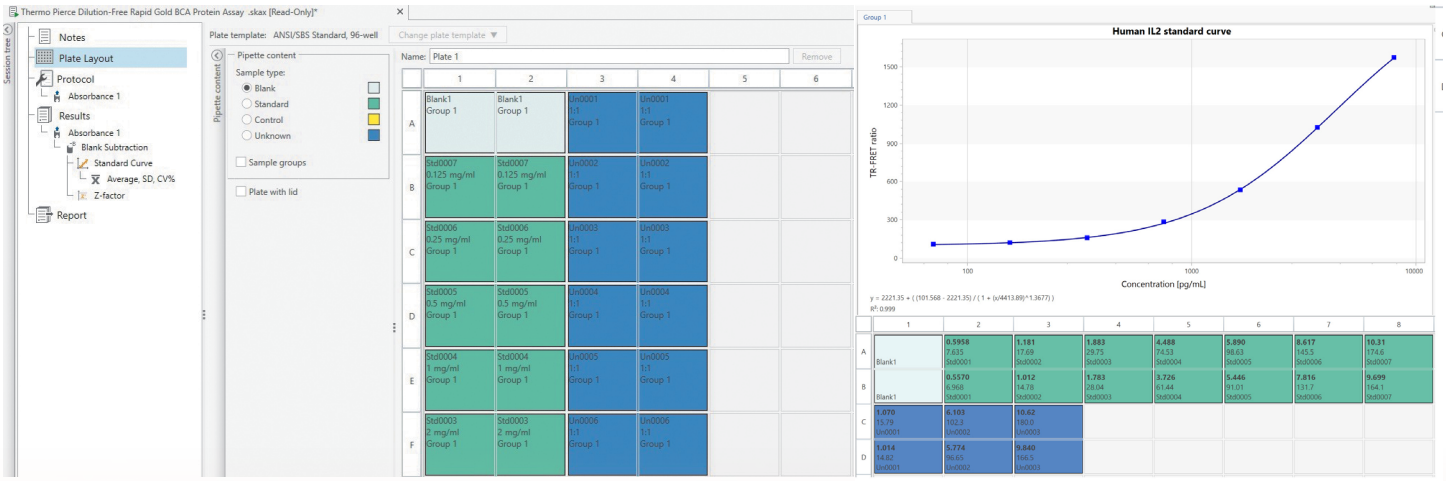


Figure 3. SkanIt Software interface. (A) The Virtual Pipetting Tool enables intuitive sample setup in the plate layout. **(B)** Analyze data directly with clear visualization of results.

Applications and assay solutions for absorbance

Our comprehensive portfolio of Invitrogen™ and Thermo Scientific™ microplate assays facilitates accurate, reliable absorbance-based measurements for a wide range of research applications—from biomarker detection and protein quantitation to cell health assessment and endotoxin monitoring. Each assay is designed for seamless compatibility with the Multiskan Ease reader, enabling dependable results and streamlined workflows.







ELISA

Choose from more than 2,500 highly referenced Invitrogen™ ELISA kits—coated and uncoated—for sensitive detection of cytokines, phosphoproteins, oncogenes, and other key biomarkers. Below are some top-selling kits; for the full portfolio, go to **thermofisher.com/elisa**.

Product	Cat. No.
Human Tau (Total) ELISA Kit	KHB0041
Mouse TNF Alpha ELISA Kit	BMS607-3
Human GLP-1 ELISA Kit	BMS2194
Human IL-6 ELISA Kit	EH2IL6
Human Amyloid Beta 42 ELISA Kit	KHB3441
Human MBL Oligomer ELISA Kit	BMS2329-2
Human IgG (Total) ELISA Kit	BMS2091
Mouse TNF Alpha Uncoated ELISA Kit	88-7324-88
Human TNF Alpha Uncoated ELISA Kit	88-7346-88
Mouse IL-6 Uncoated ELISA Kit	88-7064-88

Cell viability and cytotoxicity

Our Invitrogen™ cell viability and cytotoxicity assays enable robust population-level assessment of membrane integrity, metabolic activity, DNA content, and DNA synthesis. These versatile tools support drug toxicity testing, cancer research, and general cell health monitoring.

Product	Cat. No.
alamarBlue and alamarBlue HS Cell Viability Reagents	DAL1025, DAL1100, A50100, A50101
CyQUANT LDH and G6PD Cytotoxicity Assays	C20300, C20301, C20302, C20303, V23111
CyQUANT MTT and XTT Cell Viability Assays	V13154, X12223
PrestoBlue and PrestoBlue HS Cell Viability Reagents	A13261, A13262, P50200, P50201

Peptide assays

Achieve precise, consistent peptide quantitation with Thermo Scientific™ Pierce™ peptide assays.

Product	Cat. No.
Pierce Quantitative Peptide Assays & Standards	23275, 23295

Protein assays

Thermo Scientific™ Pierce™ protein quantitation assays offer exceptional accuracy and broad compatibility, supporting reliable measurement of samples for electrophoresis, western blotting, binding studies, and more. These assays enable consistent, high-quality results across a wide range of sample types.

Check out our protein assay selection guide.

Product	Cat. No.
Pierce BCA Protein Assay Kits	A55864, A65453, 23225, 23227, A55865
Micro BCA Protein Assay Kit	23235
Pierce BCA Protein Assay Kit - Reducing Agent Compatible	23250
Pierce Microplate BCA Protein Assay Kit - Reducing Agent Compatible	23252
Pierce Dilution-Free Rapid Gold BCA Protein Assay	A55860, A55861, A55862
Pierce Modified Lowry Protein Assay Kit	23240
Pierce 660 nm Protein Assay Kit	22662
Pierce Detergent Compatible Bradford Assay Kit	23246

Endotoxin quantitation

Our Thermo Scientific™ Pierce™ endotoxin quantitation assays help identify and monitor pyrogenic contaminants in biological samples, supporting the safety and purity requirements of protein production and cell culture workflows. These chromogenic assays facilitate sensitive and reliable endotoxin detection.

Product	Cat. No.
Pierce Chromogenic Endotoxin Quant Kit	A39552, A39552S, A39553

Wellwash microplate washers

Thermo Scientific™ Wellwash™ microplate washers offer reliable, user-friendly performance for routine and research ELISA workflows. Designed for consistent, secure washing, the system features liquid-level sensors in both the wash and waste bottles to support safe operation, while low residual volumes help ensure optimal wash efficiency and dependable assay results. Key benefits include:



- Fast, intuitive setup with color-coded tube fittings and liquid-level sensor cables
- Easy protocol configuration through a color display and visual user interface
- Multilingual onboard software to support global laboratory environments
- USB connectivity for convenient transfer of wash protocols across instruments
- Nonpressurized system to enhance safety, convenience, and easy of use

Product	Cat. No.
Wellwash Microplate Washer	5165000, 5165040
Wellwash Versa Microplate Washer	5165010, 5165050

Technical specifications

Feature	Specification
Overall dimensions (D x W x H)	40.0 x 29.5 x 21.5 cm (15.7 x 11.6 x 8.5 in.)
Weight	10 kg (22 lb)
Operation conditions	10°C to 40°C; maximum relative humidity 80% for temperatures up to 31°C, decreasing linearly to 50% relative humidity at 40°C; indoor use only
Transportation conditions	–40°C to 70°C, packed in transport packaging
Storage conditions	–25°C to 50°C, packed in transport packaging
Power input	100–240 VAC, 50/60 Hz, nominal
Power consumption	Max. 85 W, typical operation (without heating) 25 W
Noise	<50 dB (at a distance of 50 cm)
User interface	Stand-alone use: 8-inch touchscreen display
Built-in memory	Up to 700,000 measurements (full 96-well plate) and 1,500 protocol files
PC control	SkanIt Software
Connections	1 USB type A, USB 2.0 1 USB type B, USB 2.0 1 USB type C, USB 2.0 Ethernet port
Incubator	Incubator included (heating)
Shaker	Linear
Plate type	96-well and 384-well microplates, with or without lid, maximum total height 18 mm

Performance specifications

Photometry	
Light source	White LED
Wavelength range	400–760 nm
Wavelength selection	Filter wheel with three factory filters and five optional filter positions
Factory filters*	405 nm, 450 nm, and 620 nm
Bandwidth (FWHM)	3–8 nm
Wavelength accuracy	±2 nm
Linearity (absorbance) at 450 nm	0–3 Abs, 2.0%
Accuracy (absorbance) at 450 nm	±(1.0% + 0.003 Abs) (0–3 Abs)
Precision (absorbance) at 450 nm	SD <0.005 Abs or CV <0.5%, whichever is greater
Turbidimetric sensitivity	<5 formazine turbidimetric units (FTUs)
Measurement speed**	96-well microplates Fast mode: ≤10 seconds Precision mode: ≤20 seconds
Incubator	
Temperature range	From 4°C above ambient to 45°C (room temperature 25°C)
Liquid warm-up time	<60 minutes from 25°C to 37°C, 96-well microplate, 200 µL water/well
Mean temperature of wells at 37°C	±0.5°C
Plate temperature uniformity at 37°C	<1.0°C
Shaker	
Shaking mode	Linear
Shaking speeds	Low (5 Hz, amplitude 15 mm), medium (11 Hz, amplitude 3 mm), high (18 Hz, amplitude 1 mm)
Shaking type	Continuous or pulsed

* Hard-coated filters with unlimited lifetime.

** Minimum kinetic interval time from A1 back to A1.

Ordering information

Product	Cat. No.
Multiskan Ease Absorbance Microplate Reader	ME001000C
Optical filter 414 nm for Multiskan Ease Absorbance Microplate Reader	MEOF0414
Optical filter 492 nm for Multiskan Ease Absorbance Microplate Reader	MEOF0492
Optical filter 520 nm for Multiskan Ease Absorbance Microplate Reader	MEOF0520
Optical filter 540 nm for Multiskan Ease Absorbance Microplate Reader	MEOF0540
Optical filter 570 nm for Multiskan Ease Absorbance Microplate Reader	MEOF0570
Optical filter 600 nm for Multiskan Ease Absorbance Microplate Reader	MEOF0600
Optical filter 660 nm for Multiskan Ease Absorbance Microplate Reader	MEOF0660
Optical filter 690 nm for Multiskan Ease Absorbance Microplate Reader	MEOF0690
Optical filter 750 nm for Multiskan Ease Absorbance Microplate Reader	MEOF0750
Filter wheel for Multiskan Ease Absorbance Microplate Reader	MEAS0200
Power adapter for Multiskan Ease Absorbance Microplate Reader	MEAS0300
Multiskan Verification Plate, 8-wavelength	24072800
Multiskan Verification Plate, 16-wavelength	24072805
SkanIt Software, Drug Discovery Edition (DDE)	5187149

Discover modern simplicity at **thermofisher.com/multiskanease**

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