

Nebula® Absorbance Reader



Elevate Your Endotoxin Testing Program

The Nebula® Absorbance Reader is the latest introduction in Lonza's comprehensive range of testing solutions supporting your efforts in pyrogen and endotoxin testing of raw materials, in-process samples and manufactured product. Our Nebula® Absorbance Reader is optimized to work with WinKQCL® Endotoxin Detection and Analysis Software and our traditional LAL assays such as the PYROGENT® 5000 Kinetic Turbidimetric Assay and the Kinetic-QCL® Kinetic Chromogenic Assay, to provide you with a complete system that will boost your laboratory efficiency.

Product Overview

The Nebula® Absorbance Reader is a 96-well microplate reader that brings new and improved technology to the laboratory. Its excitation monochromator is optimized for wavelength accuracy and precision, ensuring excellent performance for every absorbance assay.

Benefits

- Increased Productivity: high-performance optics and monochromator-based wavelength selection ensure precise and accurate measurements of endotoxin levels, reducing the risk of false negative or false positives in testing and enabling faster decision-making
- Improved User Experience: a compact and easy-to-use design takes up less space in the laboratory, allowing for more efficient use of space and greater flexibility in your workflows
- Greater Flexibility: streamlined training and validation requirements due to WinKQCL® Software integration

Applications

Endotoxin detection in:

- Parenterals
- Biologics
- Medical devices
- Dialysis
- Compounding
- Water

Technical Specifications

Item	Description
Read capabilities	Absorbance (monochromator)
Light source	Xenon Flash
Detection	Silicon photodiode
Wavelength range	230 – 1000nm (no filter necessary, selection in 1 nm steps possible)
Measurement Range	0 – 4 OD
Temperature control	5°C above ambient to 42°C
Power	Auto-sensing 100-120V / 220-240V, 50-60 Hz
Dimensions	42.5 centimeters W x 45.7 centimeters D x 25.3cm H (16.73" W x 17.99" D x 9.96" H)
Weight	15.8kg (34.8 lbs.)
Absorbance	
The following specifications are valid for the wavelength range from 300 – 700 nm	
Plate type (number of wells)	96 Accuracy 0 – 2 OD: < ± (1 % + 10 mOD) Accuracy 2 – 3 OD: < ± 2.5 %
Baseline Flatness	±10 mOD (1 sigma)
Wavelength Accuracy	≤ ± 1.5 nm λ > 315 nm; ≤ ± 0.8 nm λ ≤ 315 nm

Ordering Information

Part code (NA)	Part code (EU)	Name	Description
25-365S	25-365S	Nebula® Absorbance Reader	Incubating absorbance reader
30053037	30053037	Nebula® Multicheck Test Plate	For alignment, repeatability, and accuracy validation (Optional)
30225201	30225201	Nebula® Tray Insert	Insert for optimized performance

Lonza Supports All Your Endotoxin Testing Needs

On-site service and preventative maintenance contracts are available to help ensure that your instrument is working properly. Lonza's expertly trained service professionals can provide installation, qualification and preventative maintenance to keep your reader qualified and functional. Ask your Lonza Representative for more information or visit lonza.com/lal.

Contact Us

North America

Customer Service: + 1 800 638 8174 (toll free)
order.us@lonza.com
Scientific Support: + 1 800 521 0390 (toll free)
scientific.support@lonza.com

Europe

Customer Service: + 32 87 321 611
order.europe@lonza.com
Scientific Support: + 32 87 321 611
scientific.support.eu@lonza.com

International

Contact your local Lonza Distributor
Customer Service: + 1 301 898 7025
Fax: + 1 301 845 8291
scientific.support@lonza.com

Lonza Walkersville, Inc. – Walkersville, MD 21793

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