

SFRI

Medical Diagnostics



& IRE 96
IW 96

ELISA Microplate
Reader & Washer

IRE 96 ELISA Absorbance Microplate Reader

Your Hard Day's Work Guaranteed

As an absorbance microplate reader, the IRE 96 is designed to hold, read and process data from ELISA assays for applications within the clinical and research areas. The IRE 96 has been developed to provide a means of running high performance analysis of immunoassays in a user-friendly 96-well format.

Applications: ELISA assays
A low maintenance stand-alone reader
Economic, easy to use, quick to setup and requiring minimal training
Simple and robust with no unnecessary features
96-well U-, V- or flat-bottom plate

High Performance, High Capacity Software

The IRE 96 can hold up to 42 user-definable protocols and calibration curves and store 2500 results per day for quick and easy access to patient results. The onboard data analysis has extensive curve fitting, cut-off calculation, and data transformation and validation capabilities.

Provides accurate, fast and reproducible results

Quick Precise Results

With its 7 channel optical measuring system and mono or bichromatic modes, the IRE 96 shows high precision results in 12 seconds.



Simple & User-friendly

All results are available on screen or on print. All tests can be transferred to IT systems via monodirectional LIS for storage and easy access.

Ideal for every size laboratory

Easy Maintenance

With the IRE 96 ELISA microplate reader all the maintenance you will ever need to do is change filters once every 2 to 3 years.

Minimal maintenance operations required

Results Interpretation

All results can be interpreted qualitatively: a positive/negative response; or quantitatively as a concentration measurement.

Get ELISA assay results in less than 15 seconds!

IRE 96

TECHNICAL SPECIFICATIONS

IRE 96: REFERENCE A0501

PRINCIPLES

Absorbance technology with semiconductor photodiode

PLATE TYPE

96-well plate with U, V or flat bottom

MEASURING SYSTEM

8-channel manifold
Monochromatic and bichromatic

OPTICS

Spectral range: 400 - 750 nm
4 built-in filters: 405 nm, 450 nm, 492 nm and 630 nm
Filter wheel can hold up to 7 filters
Tungsten halogen light source: 12 V/ 20 W
Optical linearity: < 2.5%

SHAKING

3 speed linear shaking (low, medium, high)

READING RANGE

0.001-3.500 ABS

MEASUREMENT

Range: 0.001-2.500 ABS
Precision: $\pm 1\%$; ± 0.001 ABS
Speed: 12 s (monochromatic) or 30 s (bichromatic)
per 96-well plate

REPEATABILITY

CV < 1%

MEMORY STORAGE

42 user-programmable protocols
2,500 results per day available at any time

QUALITY CONTROL

2 QC files

CALIBRATION

Up to 8 points

INPUT/OUTPUT

Parallel printer interface
RS232 port for mono-directional LIS

PRINTOUT

Optional external printer

DISPLAY

5.7" LCD touch screen
Mono-color display

OPERATING ENVIRONMENT

Temperature 10°C - 40°C
Humidity 15% - 85%

POWER REQUIREMENTS

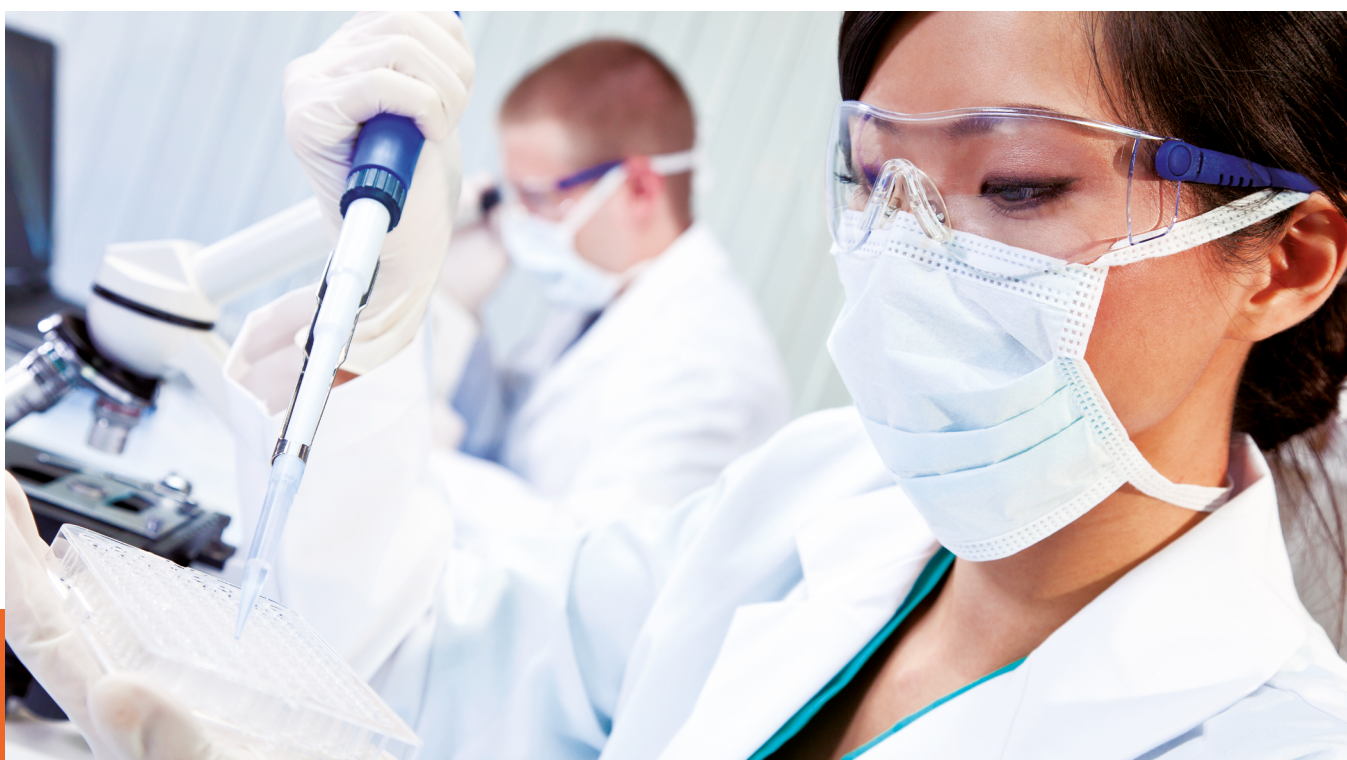
A.C. 110/220 V $\pm 10\%$; 50 - 60 Hz

DIMENSIONS

480(W) x 200(H) x 440(D) mm

WEIGHT

9.6 kg



IW96

TECHNICAL SPECIFICATIONS

IW 96: REFERENCE A0502

PLATE TYPE

96-well plate with U, V or flat bottom

MANIFOLD

8-channel or 12-channel

LIQUID DISPENSING

Volume 50 - 450 µl in 5 µl increments
Precision < 5% at 3000 µl

WASHING, SOAKING & SHAKING

N° of wash cycles 1-9
Wash modes Row or plate
Residual volume < 2 µl for U and V bottom plates
< 3 µl for flat bottom plates
Aspiration strength Programmable simple or double
Soaking & shaking time 0 - 99 seconds

LIQUID CONTAINERS

4 bottles vol. 3.5 L
2 washing solutions, 1 distilled water, 1 waste with volume sensor probe

MEMORY STORAGE

40 user-programmable wash protocols
9 wash cycles; 2 wash buffers
8 different plate types can be programmed

DISPLAY

LCD touch screen
Mono-color display

LANGUAGE

English

OPERATING ENVIRONMENT

Temperature 10°C - 40°C
Humidity ≤ 80%

POWER REQUIREMENTS

A.C. 110/220 V ±10%; 50 - 60 Hz

DIMENSIONS

410(W) x 230(H) x 410(D) mm

WEIGHT

7.5 kg



IW 96 ELISA Microplate Washer

Washing with Confidence

As a liquid handling microplate washer, the IW 96 is designed to hold and wash ELISA assays. Ideal for every size laboratory, the IW 96 microplate washer contains a variety of washing capabilities. The washer's compact footprint supports 96-well plate washing and a number of customizable protocols. Its excellent dispensing accuracy and aspiration, along with easy maintenance make for problem free operations.

Applications: ELISA assays
A low maintenance stand-alone washer
Quick to setup and requires minimal training
No unnecessary features
96-well U-, V- or flat-bottom plate

Efficiency

With its choice of 2 wash heads (8 or 12), double or simple aspiration, and 9 wash cycles, the IW 96 allows for high dispensing precision with minimal residual solution in microplates. IW 96 has precise control of washing and aspiration settings to avoid loss of material and poor reproducibility.

Fully Programmable and Customizable

The IW 96 is easily adaptable to user preferences. Users can program up to 40 user-protocols, in-put up to 8 different plate types and select 2 wash buffers. Each protocol can include up to 9 wash cycles. Users can adapt protocols to their specific needs. Fully programmable fluid volumes, shaking and soaking ensure lower CVs of your assay.



Problem free operations

2 Wash Modes

With the choice between a full plate or row by row mode, users do not need to change their washing habits to obtain reliable results. To each his preferred wash mode, results will always be just as accurate.

User-friendly

With the IW 96, all operations can be handled from its simple and intuitive touch screen interface. Its comprehensive and easy-to-use software provides flexibility for a variety of operations.

Low Maintenance

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