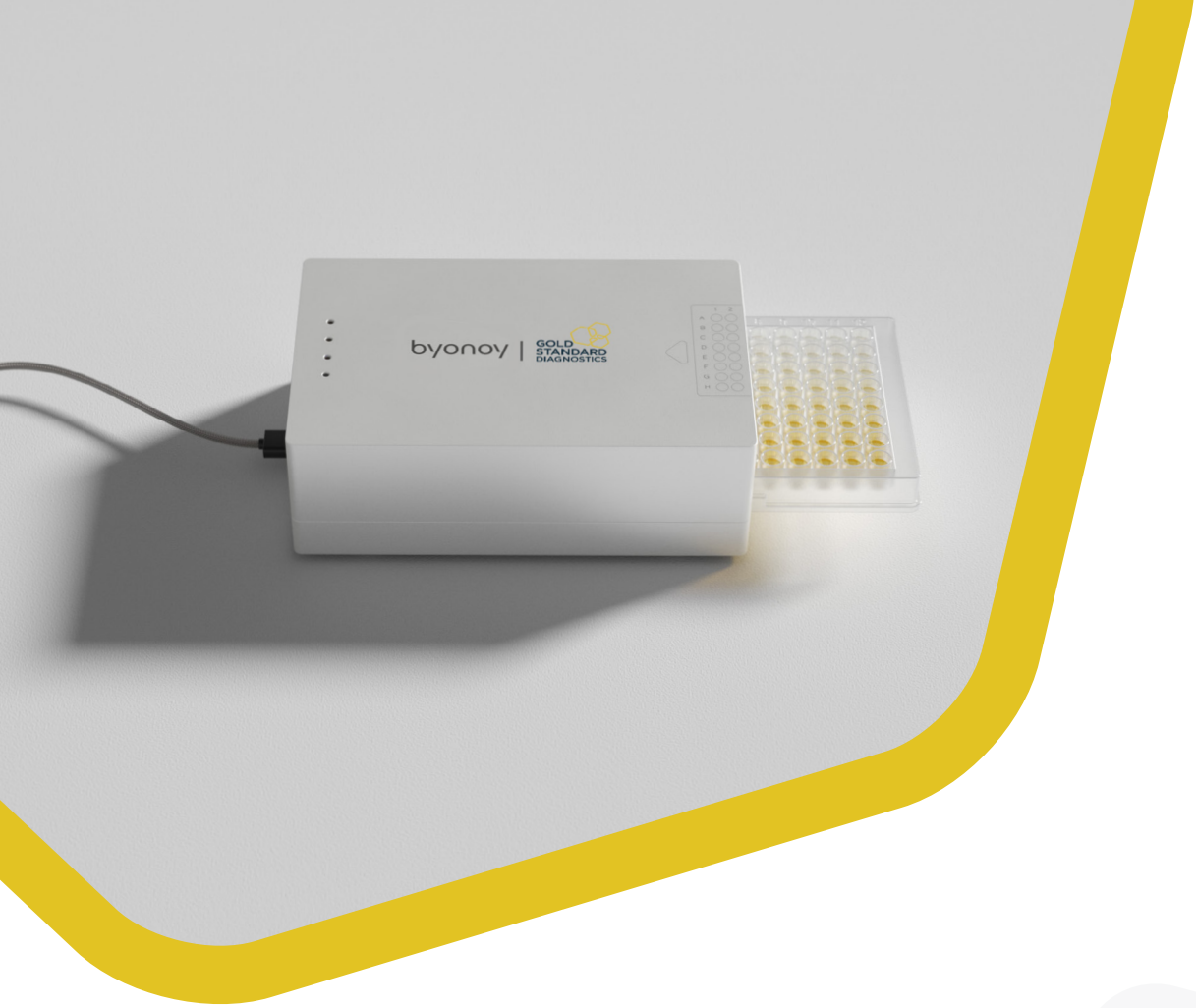

GOLD STANDARD DIAGNOSTICS

GSD Absorbance 96

The most compact ELISA reader on the market

Instrument **ELISA Kits**

GSD Absorbance 96 is a new category of plate readers with the mission to simplify the workflow in the laboratory. The small size of the reader, in combination with the unique open design, leads to an entirely new user experience. A simple USB connection provides both the power supply and access to the analysis software via plug-and-play.

The footprint of the GSD Absorbance 96 is almost as small as the microplate itself, thereby fitting into every lab, saving valuable bench space and providing unprecedented flexibility.

GSD Absorbance 96

Compact microplate reader for 96-well assays, compatible with our ELISA plates: take the lab into your hands!

Key benefits:

- Highly robust with small footprint
- Delivers precise and accurate results
- Easy transportation and flexibility
- 7x smaller than the smallest comparable reader
- Maintenance-free user experience
- 96 individual detection units enabling simultaneous signal detection
- Variety of available wavelength combinations
- No license fee for software use

Specifications

General

Detection method	Absorbance
Detection mode	Endpoint, kinetic
Microplates types	96-well microplates

Measurement

Light source	Up to 4 LEDs
Detector	96 Photodiodes
Wavelength selection	Example combinations (FWHM 10 nm): 450, 492, 562, 620 nm / 405, 450, 540, 630 nm / 492, 562, 605, 650 nm. Other filter combinations in the range of 400–1000 nm possible.
Photometric range	0.0–4.0 OD
Linearity	405 nm: ≤ 1.5 % from 0.0–2.0 OD; ≤ 3.0 % from 2.0–3.0 OD ≥ 450 nm: ≤ 1.0 % from 0.0–2.0 OD; ≤ 1.5 % from 2.0–3.0 OD
Accuracy	405 nm: ≤ 1.5 % + 0.010 OD from 0.0–2.0 OD; ≤ 3.0 % + 0.010 OD from 2.0–3.0 OD ≥ 450 nm: ≤ 1.0 % + 0.010 OD from 0.0–2.0 OD; ≤ 1.5 % + 0.010 OD from 2.0–3.0 OD
Reproducibility	≤ 0.5 % + 0.005 OD from 0.0–2.0 OD; ≤ 1 % + 0.010 OD from 2.0–3.0 OD
Resolution	0.001 OD
Read time	Down to 3 sec. at single wavelength
Data output	USB 2.0 interface with PC

Physical characteristics

Dimensions	9.6 x 15.4 x 5.5 cm (W x L x H)
Weight	900 g
Power supply	USB connection 5 V
Power consumption	2.5 Watts

Software features

Operating systems	Microsoft Windows, macOS
Measurement modes	Endpoint, Kinetic
Evaluation methods	Quantitative, Qualitative
Regression methods	Point-to-Point, Linear, Four Parameter Logistic (4PL), Five Parameter Logistic (5PL)
Export formats	PDF, CSV

Ordering

Article number	EIAREAD002

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