



TECHNOLOGICAL LEADER IN SPECTROSCOPY SINCE 1952

... YOUR ANALYSIS DESERVE OUR PERFORMANCES

SAFAS MP96 MICROPLATE READER : FAST AND ACCURATE MEASUREMENT IN ABSORBANCE ON 96 WELLS MICROPLATES, AT COMPETITIVE COSTS

Thanks to its 9 detector technology, the SAFAS MP96 is the fastest in the world. It is able to measure a 96 wells microplate in less than 3 seconds with excellent linearity and accuracy up to 4 Abs; and for ultra fast kinetics, measurements can be achieved in real time at up to 100pts/sec on 8 wells (optional). An automatic 8-filter wheel provides multi-wavelength capability. Temperature control, incubation and stirring are supplied standard on the multivalent and cost-effective reader. A powerful and easy-to-use software for external PC computer drives the unit. A FDA 21 CFR part 11 version is available.



SAFAS MP96: A FAST, MULTIVALENT AND COST EFFECTIVE MICROPLATE READER

Thanks to its 9 detector technology, the SAFAS MP96 is the fastest in the world. It is able to measure a 96 wells microplate in less than 3 seconds with excellent linearity and accuracy up to 4 Abs at any wavelength; and for ultra fast kinetics, measurements can be achieved in real time at up to 100pts/sec on 8 wells (optional).

The optical system which works like a double-beam provides an amazing stability over hours, thus enabling to get an excellent stability of 0.001A, involving a low noise even on kinetics having very low variations.

An automatic 8-filter wheel provides multi-wavelength capability. Temperature control, incubation and stirring are supplied standard on the multivalent and cost-effective reader. A powerful and easy-to-use software for external PC computer drives the unit. A FDA 21 CFR part 11 version is available.

TEMPERATURE CONTROL AND STIRRING ARE SUPPLIED AS STANDARD FEATURES

It would be a pity to purchase an instrument without temperature control and/or stirring, just because it's an expensive option, or because that option is not available...

Because you need a multivalent and versatile unit, the SAFAS MP96 has stirring (3 speeds, user selectable) and temperature control (from ambient temp+3°C, up to 50°C).

A VERY LOW OWNERSHIP COST

Thanks to its 9 detectors technology, one detector is permanently used to compensate any kind of drift, thus allowing to have excellent stability, and to light up the lamp only during measurements, thus providing an exceptionally long life. The microplate guides are very strong and able to achieve uninterrupted measurements in robotics platforms 24h per day.

POWERFUL AND EASY TO USE SOFTWARE

Intensively developed by SAFAS since 1988, our software are as powerful as easy to use, and include the most powerful data-processing tools.

Calibration curves (linear and non-linear), kinetics, replicates, multiple areas, are only some examples of the flexibility of our software.

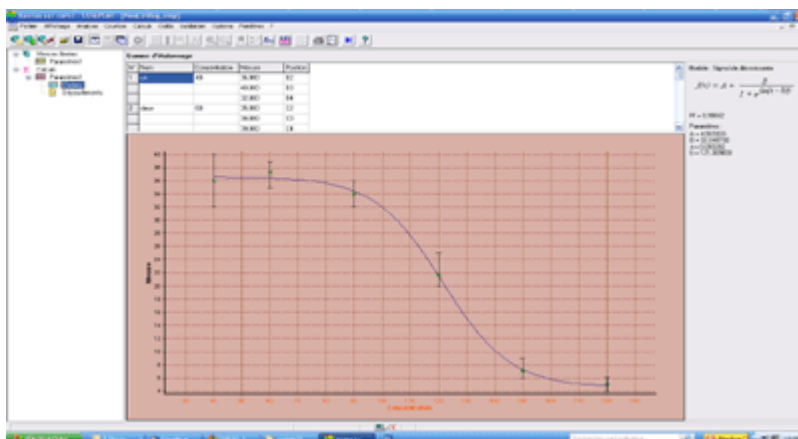
They are fully compatible with Windows 7 and 8; a FDA 21 CFR part 11 compliant version is optionally available. Several exporting formats are available in the software.

The updates are free of charge for instrument's lifetime (excepted participation to expenses for CD, box, guide, shipment), conforming to our concept of Sustainable Spectroscopy.

The number of methods is not limited, they are saved under their name, and the results can be kept in files.

A CLEVER ROBOT-COUPLING THANKS TO INNOVATIVE WEB SERVICE CONCEPT

The SAFAS MP96 can be robotized thanks to an innovative web service concept, enabling to our software to communicate directly with the robot



software, without any need to develop a specific driver.

100% of the functionalities of both the softwares are available, and all their upgrades will be compatible. This is the future!

In the picture joined, an example of 12 SAFAS readers in use with a robot.

Thanks to the extreme sensitivity and stability of our readers, there is no drift effect during long kinetics, and measurements keep reliable

and accurate, stable at 0.001A and linear up to 4A at any wavelength and any time.

The SAFAS MP96 have been designed for a perfect reliability even for intensive use 24h/24; their lamp is switching off after each measurement, which just requires 3 seconds, which enable to have an exceptional lamp lifetime, and to avoid any heating of the optics during long kinetics.

The built-in temperature control enables to control with accuracy the incubation and the reaction temperature, even after the robot has taken the microplate out of the dedicated incubator.



MAIN FEATURES

Kind of instrument	microplate reader in Absorbance for 96 wells plates
spectral range	2 versions: Visible (400-750nm) and UV-Visible-NIR (340 to 950nm)
number of filters	automatic turret for 1 to 8 filters, 2 supplied in standard (easy to add more)
technology	9 detectors: the 9th is for stabilization, and provides excellent reproducibility and accuracy
speed of measurement of the 96 wells	less than 3 seconds thanks to the 8 simultaneous detectors
kinetics speed	1 pt every 3 seconds on 96 wells, optional: 100 pts/sec on 8 wells (fastest in the world)
bandwidth	less than 10 nm
temperature control and incubation	standard, from ambient +3°C up to 50°C
stirring	standard, 3 user-selectable speeds
data processing and instrument control	powerful software for PC, with multiple language, very easy to use.
conformity to FDA 21 CFR part 11	optionally available

SAFAS - MANUFACTURER OF SPECTROPHOTOMETERS (UV, VISIBLE, ATOMIC ABSORPTION, INFRA-RED, FLUORESCENCE),
SPECTROFLUOROMETERS, LUMINOMETERS, MULTIDETECTION MICROPLATE READERS, ELISA, ANALYZERS

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