

FABs

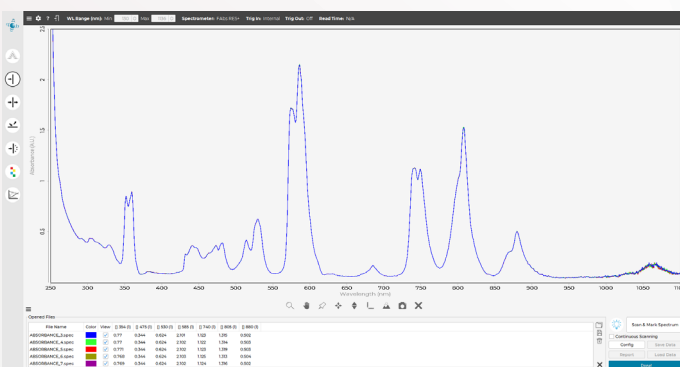
A FABULOUS WAY OF PERFORMING UV-VIS SPECTROSCOPY!

- **Compact:** similar footprint to an A4 sheet
- **Fast:** full spectra acquisition from milliseconds to a few seconds
- **Flexible:** accessorize with Reflectance and Transmittance Probes, Flow Cells, and more
- **Great Performance** for optical resolution, accuracy and linearity, and low stray light
- **Compliant with EU and US Pharmacopoeias Requirements**



THE BEST PARTNER FOR YOUR FABs

The new LightScan 2.0 software simply unleashes all the capabilities of your FABs. Typical UV-Vis measurements can be started as simple and direct acquisition modules (absorbance, transmittance, reflectance, and kinetics), easily acquired in a two-step operation. The color acquisition module is also available to determine the CIELAB coordinate system of your samples.

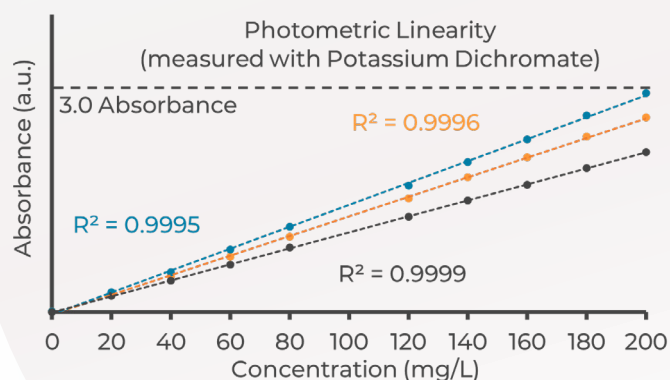


ALL THE FLEXIBILITY FOR YOUR MEASUREMENTS

Flexibility is a keyword for all of our instruments and FAbS is no exception. Use the sample container on your FAbS to connect a wide range of accessories. Connect a reflectance probe and measure the reflectance and color of solid samples. Connect a transmittance probe or a flow cell to measure the absorbance or/and transmittance of liquids directly in the sample container.

COMPLIANT WITH EUROPEAN AND UNITED STATES PHARMACOPEIAS

The assembling precision and design of optical components leads to elevated optical performance and sensitivity that are strictly tested according to pharmacopeia regulations (Ph. Eur. 10 and USP 42). Performance parameters, such as wavelength accuracy, photometric linearity, optical resolution, and stray light are carefully monitored.



A SMALL PACKAGE THAT WORKS AT LIGHT SPEED!

With a very compact size (similar to an A4 sheet) and fast scanning speed (starting at the milliseconds to a few seconds), FAbS is the perfect solution for modern and busy laboratories where every centimetre and second counts.



Technical Specifications

Parameter	Value
Wavelength Range	185 -1100 nm
Resolution (toluene in n-hexane)	1 nm
Wavelength Accuracy (holmium oxide filter)	±0.5 nm
Wavelength Repeatib. (holmium oxide filter)	< 0.1 nm
Photometric Accuracy (potassium dichromate)	± 0.005 A (≤ 1 A)
Photometric Accuracy (nicotinic acid)	± 0.005 A (≤ 1 A)
Photometric Repeatib. (potassium dichromate)	< 0.003 A (≤ 1 A)
Photometric Repeatib. (nicotinic acid)	< 0.003 A (≤ 1 A)
Stray Light at 198 nm (with KCl)	> 2.0 A (< 1.0 % T)
Stray Light at 340 nm (with KI)	> 3.1 A (< 0.07 % T)
Stray Light at 340 nm (with NaNO₂)	> 3.2 A (< 0.06 % T)
Noise	< 0.002 A
Minimal Scan Acq. Time (full range FAbS mode)	~3 s
Stand. Scan Acq. Time (full range FAbS mode)	~10 s
High Perf. Scan Acq. Time (full range FAbS mode)	~30 s
Minimal Scan Acq. Time (full range Continuous mode)	~25 ms
Software Modules	Absorbance, Transmittance and Reflectance
Additional Software Modules	Kinetics and Color
Accessory Ports	SMA 905
Interface	mini-USB
Trigger	In/Out
Software	LightScan 2.0 (included)
Dimensions	30 cm (W) x 23 cm (D) x 14 cm (H)
Weight	~6 Kg

Ordering Information

Description	Part Number
Spectrophotometer FAbS UV/Vis	FABS-UV-Vis
Spectrophotometer FAbS Vis/NIR	FABS-Vis-NIR
Spectrophotometer FAbS UV/Vis/NIR	FABS-UV-Vis-NIR



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