

UV-Vis solutions for life science research

Routine level simplicity, research-quality results you can trust

In the dynamic field of life science, you need instrumentation that keeps up with changing demands. From simple OD600, A260 nucleic acid quantification, protein A280 or colorimetric analysis to DNA melting and kinetic studies – Thermo Fisher Scientific™ has a spectrophotometer that will meet your laboratory needs and keep you moving forward.

Thermo Scientific™ BioMate™ 160 UV-Vis Spectrophotometer

Full-featured instrument, life science ready

- 7" high-resolution touchscreen user interface, tiltable
- Pre-programmed life science methods include Nucleic Acids A260 (DNA, RNA, oligo); sample purity information A260/A280, A260/A230; protein A280, A205 and colorimetric assays; kinetics
- Enhanced connectivity: export data to network or PC via USB, Ethernet, or Wi-Fi; print reports directly from on-board control; full PC control using Thermo Scientific™ VISION/ite™ software
- Precise temperature control with the optional air-cooled Peltier thermostatted cell holder
- Supports microvolume measurements with disposable microcells*

*Eppendorf UVette™ 50 µL cells



Description	Part Number
BioMate 160 UV-Visible Spectrophotometer	840-301000**

Thermo Scientific™ Evolution 260 Bio UV-Vis Spectrophotometer

Elite performance for complex experiments

- Double beam optical design measures reference and sample positions at the same time
- Variable bandwidth and Thermo Scientific™ INSIGHT™ software with available INSIGHT Security software for 21 CFR Part 11 compliance
- Precisely known zero-time data delivers the highest level of accuracy for rapid-mixing kinetics measurements
- Controlled temperature ramping with single or 8-position Peltier cell holder for DNA melting and T_m calculations
- On-instrument task buttons add convenience and help you avoid contaminating PC, mouse and keyboard



Description	Part Number
Evolution 260 Bio UV-Vis Spectrophotometer	840-211000**

**USA country power cable part numbers listed. For other countries, substitute last three numbers from 000 to: 100 = China • 200 = India/RSA • 300 = EU • 400 = UK • 500 = Aus/NZ

GENESYS 30 Visible Spectrophotometer

Outstanding durability for challenging environments

- Designed and built for years of repetitive use
- Large sample compartment supports cuvettes and test tubes
- Optional tube holder supports measurements in vials, test tubes and even nephelo flasks
- Easy clean-up with removable, washable sample compartment liner
- Ideal solution when monitoring cell culture growth by OD600 is your primary need



Description	Part Number
GENESYS 30 Visible Spectrophotometer	840-277000**

**USA country power cable part numbers listed. For other countries, substitute last three numbers from 000 to: 100 = China • 200 = India/RSA • 300 = EU • 400 = UK • 500 = Aus/NZ

Choose the right UV-Visible spectrophotometer for your life science applications:

Feature	GENESYS 30	BioMate 160	EVOLUTION 260 Bio
Optical System	Single Beam	Dual (split) Beam	Double Beam
Spectral Bandwidth	5.0 nm	2.0 nm	Variable: 1.0 nm; 2.0 nm;
Light Source	Tungsten-Halogen	Xenon Flash Lamp	Xenon Flash Lamp
Detector	Silicon Photodiode	Dual Silicon Photodiodes	Dual Silicon Photodiodes
Wavelength Range	325 – 1100 nm	190-1100 nm	190 – 1100 nm
On-Board Control	Yes	Yes	No – PC Only
Live Display	Yes	Yes	Yes
OD600	Yes	Yes	Yes
Kinetics	No	Yes	Yes
Nucleic Acids A260	No	Yes	Yes
Microarray (Labeled Nucleic Acids)	No	Yes	Yes
Protein A280	No	Yes	Yes
Protein and Labels	No	Yes	Yes
Protein Colorimetric Assays (BCA, Biuret, Bradford, Pierce 660)	Manually Programmed	Yes	Yes
DNA Melting	No	No	Yes
Snap-on Printer Option	Yes	Yes	No
USB Data Export Capable	Yes	Yes	From PC
WiFi Ready	No	Yes	No