

thermo scientific



# Thermo Scientific GENESYS UV-Vis Spectrophotometer Accessories

Make the most of every sample

**ThermoFisher**  
SCIENTIFIC

# Thermo Scientific GENESYS Accessories

Designed to enable you to work smarter, not harder

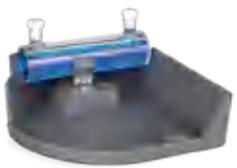
- We offer a wide variety of options to meet your measurement and high-throughput needs
- Cable-free, snap-in design allows for easy exchange of accessories

## Single-cell holders

*Solutions for measuring different types of samples*

### Single-cell sample holders

*Available for all Thermo Scientific™ GENESYS™ and BioMate™ 160 spectrophotometers*

GENESYS 30/40/50	Description	GENESYS 140/150/180 • BioMate 160
 Part Number 840-278600	<b>Standard 10 mm single-cell holder</b> <ul style="list-style-type: none"><li>• Comes standard with each instrument</li></ul>	 Part Number 840-298900
 Part Number 840-277700	<b>Long path rectangular cell holder</b> <ul style="list-style-type: none"><li>• For 20-100 mm pathlength cuvettes</li></ul>	 Part Number 840-303800
 Part Number 840-277800	<b>Long path cylindrical cell holder</b> <ul style="list-style-type: none"><li>• For 5-100 mm pathlength cuvettes</li></ul>	 Part Number 840-303100
 Part Number 840-278100	<b>Film/Filter holder</b> <ul style="list-style-type: none"><li>• Accommodates filters/lenses up to 50 mm long x 80 mm tall x 10 mm thick</li></ul>	 Part Number 840-303200

## Test tube accessories

Available only for GENESYS 30/40/50 spectrophotometers

GENESYS 30/40/50

Description



Part Number 840-277500

### Test tube holder

- Accommodates tubes and vials from 12 to 25 mm OD



Part Number 840-277600

### Tall test tube cap

- Supports measurements of tubes and vials up to 150 mm tall with the sample lid open

## Specialized single-cell sample holders

Available for GENESYS 140/150/180 and BioMate 160 spectrophotometers

Description

GENESYS 140/150/180 • BioMate 160

### Disposable microcell holder

- Specially engineered microcell holder with integrated mask
- Use with disposable 50  $\mu$ L plastic UVettes®



Part Number 840-303300

### Beckman-style cell holder

- Specially engineered holder for "Beckman-style" short microcells



Part Number 840-299000



## Configurable single-cell sample holders

Available for for GENESYS 30/40/50 spectrophotometers

GENESYS 30/40/50

Description



Part Number 840-278200

### Accessory Kit for hose entry/exit

Please note: 10 mm square cell holder and thermostat rectangular cell holder requires the use of this accessory

## Individual cell holders for accessory kit



Part Number 336028-000

### 10 mm square cell holder

Please note: Accessory kit, part number 840-278200, is required for use of this accessory



Part Number 335079-000

### Thermostat rectangular cell holder

Please note: Accessory kit, part number 840-278200, is required for use of this accessory



Part Number 335917-000

### Adjustable filter holder

Please note: Accessory kit is not required for this use of this accessory



## Multi-cell accessories

Speed up your analysis with high-throughput measurements

### Multi-cell sample holders

Available for GENESYS 140/150/180 and BioMate 160 spectrophotometers

#### Description

GENESYS 140/150/180 • BioMate 160

#### GENESYS 8-position carousel

- Holds up to 8 cells – increases sample throughput in busy labs
- Magnetic latch design for easy carousel exchange
- Compatible with 10 mm path length cells only
- Compatible with 4.5 mL cell and semi-micro cells with windows  $\geq 3$  mm width ( $\geq 1000$   $\mu$ L)

Please note: Not compatible with microcells (less than 1000 $\mu$ L in volume or with GENESYS 30/40/50 spectrophotometers



Part Number 840-303400

#### GENESYS 4-position carousel with long path rectangular cell holders

- Accommodate four long-path rectangular cells up to 50 mm
- Magnetic latch design for easy carousel exchange

Please note: Not compatible with low volume cells (< 3.5 mL) or any other type of cell holder



Part Number 840-314700

### Cell holder for 4-position carousel base

#### 4 x long path cylindrical cell holder

- Configurable with part number 840-303600



Part Number 335911-000

<b>Single-Cell Holders &amp; Multi-Cell Holders</b>	<b>Part number</b>	<b>GENESYS 30</b>	<b>GENESYS 40</b>	<b>GENESYS 50</b>	<b>GENESYS 140</b>	<b>GENESYS 150/180 BioMate 160</b>
10 mm Square Cell Holder for GENESYS 30/40/50	840-278600	✓	✓	✓		
5-100 mm Path Cylindrical Cell Holder for GENESYS 30/40/50	840-277800	✓	✓	✓		
Individual Adjustable Filter Holder for GENESYS 30/40/50	335917-000	✓	✓	✓		
Film/Filter Holder for GENESYS 30/40/50	840-278100	✓	✓	✓		
Long Path Rectangular Cell Holder, 10 mm pathlength	840-277700	✓	✓	✓		
Individual Rectangular Cell Holder, 10 mm pathlength	336028-000	✓	✓	✓		
Test-Tube Holder for GENESYS 30/40/50	840-277500	✓	✓	✓		
Tall Test-Tube Cap for GENESYS 30/40/50	840-277600	✓	✓	✓		
Thermostat Rectangular Cell Holder for GENESYS 30/40/50	335079-000	✓	✓	✓		
GENESYS 8 Position Carousel for 10 mm Pathlength Cells	840-303400				✓	✓
GENESYS 4 Position Carousel with Long Path Rectangular Cell Holders	840-314700				✓	✓
GENESYS 4 Position Carousel Base for GENESYS 140/150/180 & BioMate 160	840-303600				✓	✓
5-100 mm Path Cylindrical Cell Holder for GENESYS 140/150/180 & BioMate 160	840-303100				✓	✓
Beckman Cell Holder for BioMate 160	840-299000				✓	✓
Cylindrical Cell Holder, no baseplate, 50 mm Pathlength	335911-000				✓	✓
Film/Filter Holder for GENESYS 140/150/180 & BioMate 160	840-303200				✓	✓
Individual Long Path Rectangular Cell Holder	840-284100				✓	✓
Long Path Rectangular Cell Holder for GENESYS 140/150/180 & BioMate 160	840-303800				✓	✓
Microcell Holder for GENESYS 140/150/180 & BioMate 160	840-303300				✓	✓
Single Cell Curvette Holder + base for GENESYS 140/150/180 & BioMate 160	840-298900				✓	✓



## Temperature control

Ideal for life science applications such as biochemical kinetics, enzymatic food analysis and equilibrium studies

### Temperature-control sample holders

Available for all GENESYS and BioMate 160 spectrophotometers

#### Description

GENESYS 140/150/180 • BioMate 160

#### Air-cooled Peltier thermostatted single cell holder

Accessory fits inside the sample compartment of the instrument.

- Includes cell holder for 10 mm pathlength square cells
- Temperature range 20°C to 60°C
- Fully controlled by the instrument on-board software or Thermo Scientific™ VISIONlite™ software
- Magnetic stirring (variable speed) for full size cells
- Suitable for use with unmasked cells  $\geq 1000 \mu\text{L}$  nominal volume
- Microcells  $< 1000 \mu\text{L}$  must be masked type
- Additional 10 pack of PTFE-coated cuvette stir bars (5 mm x 2 mm) available
- Multi-voltage power supply



Part Number 840-306600

#### GENESYS 30/40/50

#### Description



Part Number 222-238800

#### TPS-1500W Peltier controlled sealed liquid circulation system

- 150 mL liquid volume means fast temperature changes, tighter temperature control, and less mess in the event of a hose break
- Temperature Range: 20-60°C. Temperature accuracy:  $\pm 0.10 \text{ }^\circ\text{C}$ . Reproducibility:  $\pm 0.05^\circ\text{C}$ .

Please note: Does not support temperature ramping

Peltier	Part number	GENESYS 30	GENESYS 40	GENESYS 50	GENESYS 140	GENESYS 150/180 BioMate 160
Peltier Thermostated Single Cell Holder for GENESYS 140/150/180 & BioMate 160 with Smart Modulating Power Supply and US Power Cable	840-306600*				✓	✓
Peltier Thermostated Single Cell Holder for GENESYS 140/150/180 & BioMate 160 with Smart Modulating Power Supply and EU Power Cable	840-306700*				✓	✓
Peltier Thermostated Single Cell Holder for GENESYS 140/150/180 & BioMate 160 with Smart Modulating Power Supply and UK Power Cable	840-306800*				✓	✓
TPS 1500W Sealed Peltier Recirculator	222-238800	✓	✓	✓		

\* Select part number corresponding to desired power cable type

# Sipper systems

Minimize sample handling and reduce the use of consumables

## Sipper sample holders

Available for all GENESYS and BioMate 160 spectrophotometers

### Description

GENESYS 140/150/180 • BioMate 160

#### Integrated complete sipper system

- Controlled by instrument on-board software  
Powered by external AC/DC power supply unit
- Sip by time or calibrate to sip by volume
- Pre-programmed and custom sip sequences
- Three pump speeds
- Supports 1.6mm wall thickness silicone tubing
  - L/S 13 (0.8mm ID)    – L/S 16 (3.1mm ID)
  - L/S 14 (1.6mm ID)    – L/S 25 (4.8mm ID)
- C-Flex and Viton tubing materials are supported in a more limited range of sizes



Part Number 840-306900

#### Includes:

- Sipper pump with pump head
- Sample compartment insert with cuvette holder and goose-neck aspiration tube guide
- Quartz flow cell with connector tubing
- Cable to connect to instrument
- 30 cm of L/S 16 silicone tubing
- Multi-voltage power supply & specified power cable



Part Number 840-296600

Sipper system and components	Part number	GENESYS 30	GENESYS 40	GENESYS 50	GENESYS 140	GENESYS 150/180 BioMate 160
Integrated Sipper for GENESYS 140/150/180 & BioMate 160 with US Power Cable	840-306900*				✓	✓
Integrated Sipper for GENESYS 140/150/180 & BioMate 160 with EU Power Cable	840-307000*				✓	✓
Integrated Sipper for GENESYS 140/150/180 & BioMate 160 with UK Power Cable	840-307100*				✓	✓
Sipper Sample Compartment Accessory for GENESYS 140/150/180 & BioMate 160	840-307200				✓	✓
Sipper Pump for GENESYS 40–180 & BioMate 160 with US Power Cable	840-296600*		✓	✓	✓	✓
Sipper Pump for GENESYS 40–180 & BioMate 160 with EU Power Cable	840-296700*		✓	✓	✓	✓
Sipper Pump for GENESYS 40–180 & BioMate 160 with UK Power Cable	840-296800*		✓	✓	✓	✓
Accessory Kit for Hose Entry/Exit for GENESYS 30/40/50	840-278200	✓	✓	✓		

\* Select part number corresponding to desired power cable type

## Fiber optic coupler, probes and accessories

*Dip, tap and measure – eliminate liquid transfer and cuvettes from your workflow*

### Fiber-optic sample holders

*Available for GENESYS 150/180 spectrophotometers*

#### Description

GENESYS 150/180

#### Complete 6mm Fiber Optic Dip Probe System

- Fiber optic coupler insert for sample compartment
- 6 mm diameter stainless steel transmittance probe with replaceable 10mm pathlength tip

Note: Photometric performance of fiber probe systems is different from cuvette systems and may be impacted by ambient lighting conditions.



Part Number 840-305700

*Fiber Optics Accessories are compatible with GENESYS 150 and 180 spectrophotometers only*

#### Fiber optics

#### Part number

Complete 6 mm Fiber Optic Dip Probe System for GENESYS 150/180

840-305700

#### Individual system compents

10 mm Pathlength Tip for Dip Probe for GENESYS 150/180

840-307400

Standard Fiber Optic Dip Probe with 10 mm Tip

840-305000

Fiber Optic Coupler for GENESYS 150/180

840-305800



## Printer accessory for GENESYS spectrophotometers

Available for all GENESYS and BioMate 160 spectrophotometers

GENESYS 30/40/50	Description	GENESYS 140/150/180 • BioMate 160
 Part Number 840-278000	<b>Snap-on Printer for GENESYS Spectrophotometers</b> <ul style="list-style-type: none"><li>• Printer attaches directly to instrument behind screen</li><li>• Easy drop-in paper re-loading</li><li>• Uses 80mm wide thermal paper rolls</li><li>• Self-stick paper also available</li></ul> <b>Includes:</b> ~ 1 roll thermal paper	 Part Number 840-278000

## Wi-Fi USB adapter

The Wi-Fi USB adapter adds wireless capabilities to your GENESYS 40, 50, 140, 180 and BioMate 160 instruments. GENESYS Spectrophotometer with Wi-Fi USB adapter enables wireless communication directly to your lab network and printers.

GENESYS 40/50	Description	GENESYS 140/150/180 • BioMate 160
 Part Number 840-309900	<b>Wi-Fi USB Adapter</b>	 Part Number 840-309900



## Software, accessories, consumables, and tubing kits

<b>Software</b>	<b>Part number</b>	<b>GENESYS 30</b>	<b>GENESYS 40</b>	<b>GENESYS 50</b>	<b>GENESYS 140</b>	<b>GENESYS 150/180 BioMate 160</b>
VISION <i>lite</i> 5.4 Software + Cable for GENESYS 40–180	840-312300		✓	✓	✓	✓
VISION <i>lite</i> 5.4 Software	834-091300	✓				
VISION <i>lite</i> 5.4 Software 6-user license	699-129900	✓	✓	✓	✓	✓
VISION <i>lite</i> 5.4 Software 12-user license	699-130000	✓	✓	✓	✓	✓
VISION <i>lite</i> ColorCalc 5.2	869-175600		✓	✓	✓	✓
Interface cable for GENESYS 40–180 and BioMate 160	840-312200		✓	✓	✓	✓

<b>Accessories</b>	<b>Part number</b>	<b>GENESYS 30</b>	<b>GENESYS 40</b>	<b>GENESYS 50</b>	<b>GENESYS 140</b>	<b>GENESYS 150/180 BioMate 160</b>
Cuvette Stir Bars, Pkg of 10	840-262800				✓	✓
Dust Cover for GENESYS 30/40/50	840-278400	✓	✓	✓		
Dust Cover for GENESYS 140/150/180 and BioMate 160	840-304800				✓	✓

<b>Consumables</b>	<b>Part number</b>	<b>GENESYS 30</b>	<b>GENESYS 40</b>	<b>GENESYS 50</b>	<b>GENESYS 140</b>	<b>GENESYS 150/180 BioMate 160</b>
Self Stick Printer Paper for GENESYS Printer Accessory	840-259800	✓	✓	✓	✓	✓
Standard Printer Paper for GENESYS Printer Accessory	840-278300	✓	✓	✓	✓	✓
Replacement Tungsten-Halogen Lamp, Pre-aligned for GENESYS 30/40/140	840-278700	✓	✓		✓	
Replacement Xenon Lamp Assy, Pre-aligned for GENESYS 50/150/180 and BioMate 160	840-300900			✓	✓	✓

<b>Sipper system and components</b>	<b>Part number</b>	<b>GENESYS 30</b>	<b>GENESYS 40</b>	<b>GENESYS 50</b>	<b>GENESYS 140</b>	<b>GENESYS 150/180 BioMate 160</b>
Acid Resistant Pump Tubing Kit	699-129600	✓	✓	✓	✓	✓
Chemical Resistant Pump Tubing Kit	699-129700	✓	✓	✓	✓	✓
Silicone Pump Tubing Kit for GENESYS	699-129500	✓	✓	✓	✓	✓

# Meet the Thermo Scientific GENESYS UV-Vis Spectrophotometer family

Simplify sampling with easy access, flexibility and choices to fit your varied testing needs.



## **GENESYS 30 Vis Spectrophotometer**

*Modern power meets traditional simplicity*

Make clean up easy with removable, washable sample compartment liner



## **GENESYS 40 Vis/50 UV-Vis Spectrophotometers**

*Advanced usability, modern functionality*

Simplify sampling with large, front access sample compartment



## **GENESYS 140 Vis/150 UV-Vis Spectrophotometers**

*Elite performance, enhanced capabilities*

Accommodate advanced experiments with automated cell changers, Peltier, sipper and fiber optic probe accessories



## **GENESYS 180 UV-Vis Spectrophotometer**

*Double beam and high-throughput ready*

Speed measurements with 8-cell changer standard and remote sampling accessories



## **BioMate 160 UV-Vis Spectrophotometer**

*Life-science enabled*

Extend capabilities with a microcell holder or Peltier thermostatted cell holder or cell changer option