

Extended Sample Compartment

 **Note:** This document is also available in [PDF format](#) for improved print quality. PDF files are stored in the "**Manuals**" folder on the Help & Videos CD-ROM.

For the Cary 4000, 5000, 6000i, Deep UV.

For Cary 4, 5, 400, 500, 500i extended sample compartment, [see here](#).

Part Numbers: 00 100798 00

01 107179 00

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The extended sample compartment fitted with a multicell holder.

Introduction

Some accessories which attach to the Cary spectrophotometer require the use of an Extended Sample Compartment. These accessories include:

Description	Part number
Absolute Specular Reflectance accessory	0010043800
Diffuse Reflectance accessory Internal DRA 900	0010080900
Internal DRA 1800	00 100810 00
Internal DRA 2500	00 100811 00
Dual Cylindrical Thermostatable cell holders	0010046700
Dual Rectangular Thermostatable cell holders	0010046800
Multicell Block	0010079500
Praying Mantis	0010046900
Sample Transport accessory	0010044700

The Cary Extended Sample Compartment comes as a base and separate cover. The cover sits on the base and fits onto the sample compartment walls of the spectrophotometer. In use, the cover can be either completely removed (allowing complete access to the sample compartment), or it can be lifted and removed to allow quick sample mounting.

There are two types on extended sample compartment:

01 107179 00 is for the multicell holder and is supplied as standard as a kit with the 6 x 6 Peltier multicell holder. The base has built-in hose fittings for use with thermostatable accessories which require connection to a water bath.

00 100798 00 contains a light proof retractable floor and is for solid sample accessories, e.g. DRA.

Installation

To install the Extended Sample Compartment, follow these steps:

1. Slide back the sample compartment lid on the Cary spectrophotometer, and remove the front panel of the sample compartment.
2. Gently lower the base of the accessory so that the pins slide securely into the bottom of each key-hole and holds in place.
If you are using one of the new instruments featuring the [lock down mechanism](#), click here for instructions on how to install the accessory into the base of the instrument.
3. Install the accessory requiring the Extended Sample Compartment according to the appropriate manual.
4. Use the guide tabs near the top, rear of the Extended Sample Compartment (see figure below) to guide it into the correct position.
5. Gently push the Extended Sample Compartment down to secure it in place.



Figure 1: "A" indicates one of the guide tabs.

The Extended Sample Compartment is now ready for use.

Specifications

- Internal dimensions: 154 x 212 170 (WxHxD, mm)
- Hose connections:
 - External: 2 barbs to fit 6 mm ID tubing
 - Internal: 2 elbows to fit 6 mm ID tubing

Using the Extended Sample Compartment

To use the Extended Sample Compartment with the spectrophotometer, close the sample compartment lid, being careful to slide the lid the extra distance into the Extended Sample Compartment cover.



Note

The Multicell Holder is equipped with its own base for the Extended Sample Compartment. The tubing for connection to the Temperature Controller is already fitted to the base. The controls for the stirrers are also built into this base.

If access to the sample compartment is required, you may either remove the accessory cover completely, reversing the installation procedure, or you may lift and remove the Extended Sample Compartment. To do this:

1. Open the sample compartment lid.
2. Lift the accessory slightly to free the guide tabs.
3. Pull the Extended Sample Compartment towards you, ensuring that you do NOT move the accessory in the sample compartment, as this may interfere with the alignment of the accessory.



Note

To install and/or remove an accessory requiring the Extended Sample Compartment, it is best to completely remove the cover to allow unrestricted access to the sample compartment of the spectrophotometer.