Single sample holder

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 only

Part Number: 00 100800 00

Installation category II
Pollution degree 2
Safety class 1 (EN 61010-1)

Table of Contents

- Introduction
- Installation

Introduction

The single cell holder is a standard (10mm) rectangular cell holder designed to hole 10 mm cuvettes. Two single cell holders are supplied as standard with the Cary 4000/5000 and 6000i. The cell holder contains a cell lifter, designed to aid inserting and removing cuvettes, while minimizing the risk of scratching. For solid samples, the solid sample holder and optical rails are recommended. The single cell holder offers improved cell positioning for microcell work.

Figure 1. *The single sample holder, note the lever on the top for easy lifting of cells. This lever can also be used to alter the height or the cuvettes.*

Installation

The single cell holder must be fitted onto the base plate before it can be installed into the sample compartment. Follow these instructions to install the single sample holder onto the base plate:

1. Place the cell holder base in the sample position on the base plate. The notched pillar should be on the right hand side. (The back of the base plate has two metal clips on the under side.)
2. Tighten the two locating screws using the 1/8" hexagonal balldriver.
3. Place a single cell holder on the cell holder base (it will only fit one way) and tighten the thumbscrew.
4. You can now install the base plate into the sample compartment using the LockDown mechanism.
5. You now need to align the Single Cell holder in the light beam. Close the sample compartment and press Start, Programs, Cary WinUV, Align to start the Align application. Select the Cary tab and check the Zero Order check box.

Note
To raise or lower the height of a cuvette, you simple need to turn the lever at the top of the cell holder. Turning the lever clockwise direction raises the cuvette height, turning anticlockwise lowers the cuvette. If you are lowering the cuvette height you will need to lower the lever then gently push the cuvette down into the required position.

6. Place a piece of white paper in the light path, next to the aperture in the cell holder. Note where the light beam strikes the paper. The beam should be centered on the aperture. If the beam is not centered check that the cell holder is correctly positioned and screwed down. Also check that the beam is not being impeded.