



SI-H Vertical Tissue Bath

Multi-chamber tissue bath system

is installed on a small wire attached to the tissue mounts. You can choose the depth and direction of the bubble stream that will cause the least disruption to your tissue. Because the frit is a removable part, it can be easily replaced without the need to order a new tissue bath.

Tissue Holders

All tissue holders are made of Teflon to prevent the contamination of the tissue buffer by trace metals. The tissue holders are designed to:

- Permit the proper installation of the tissue on the holder before it is positioned in the chamber.
- Effectively oxygenate the buffer in the vicinity of the tissue.
- Position the field (or point) electrodes for efficient stimulation.
- Permit easy calibration of the chamber volume.
- Tissue mounts for ring with field stimulation are included with all systems

SYSTEM SPECIFICATIONS

	SI-MB4	SI-MB8
Width	500mm	500mm
Length	1000mm	2000mm
Height	1050mm	1050mm
Weight	30kg	60kg

Two tissue holder styles are available for testing tissue.

- **SI-OHO2F**—tissue strips with field stimulation. This can also be used with the included tissue mounts for tissue rings.
- **SI-OHO2P**—tissue strips with point stimulation



All three tissue holders are designed for simple and accurate preparation mounting. As the tissue holder slides into the tissue bath, its size significantly lowers the volume of liquid in the tissue bath.



Tissue mounts for rings can be used with the SI-OHO2F. Upon request, custom electrode shapes and positions can be manufactured.

BATH SPECIFICATIONS

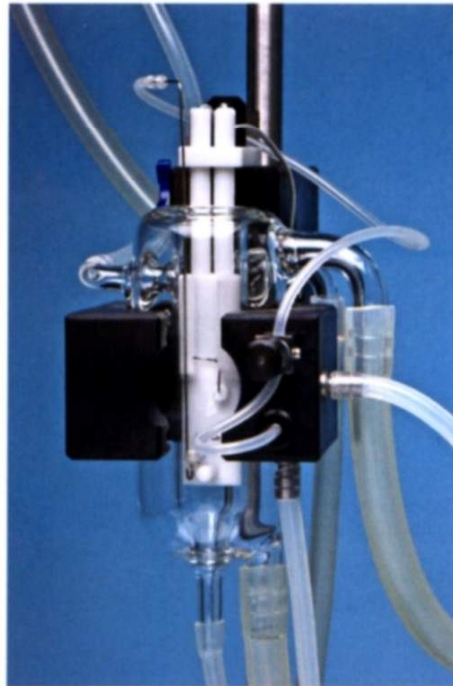
	Height*	ID
5mL	65mm	14mm
10mL	65mm	18mm
20mL	65mm	20mm

*Inside height is measured between the outflow port at the bottom and the overflow port at the top.

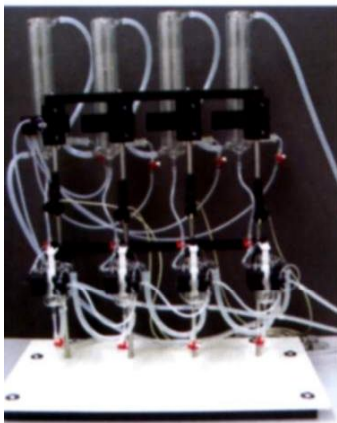


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The **SI-MB4** vertical tissue bath is shown with all four channels (below). The closeup (right) shows a single tissue bath with a tissue holder mounted in the bath.



The **SI-MB4** and **SI-MB8** isolated tissue bath systems were developed for *in vitro* investigation on isolated smooth, cardiac or skeletal muscle preparations. They are specifically designed for pharmaceutical screening and testing that requires a high number of parallel samples.

One advantage of this system is its modular structure, which allows the bath units to be used individually.

The SIH vertical tissue bath systems offers easy control of the inflow and outflow of buffer, oxygenation and stimulation. Simple tissue installation, calibration of the chamber volume and temperature maintenance are also important features.

Features

- Modular system for testing tissue strips or rings
- Systems available with four or eight bath units
- 5, 10 and 20mL calibrated chamber volumes
- Oxygen delivery and control integrated into each chamber
- Field (or point) stimulation electrodes built into each tissue holder
- Automatic overflow
- Manual buffer replacement and draining
- Temperature control unit is external
- Water jacketed reservoirs with built-in oxygenators
- Easy operation
- Unique optical force transducers

Tissue Baths

Tissue baths come as small as 5mL, for your most delicate applications. All the SI-H tissue baths are precisely calibrated, so that when your tissue holder is installed, you can accurately calculate your solution concentration.

Oxygenation

SI-H re-engineered the standard oxygen frit to avoid the disturbances to the tissue sample that tiny bubbles can cause. The repositionable SI-H frit