

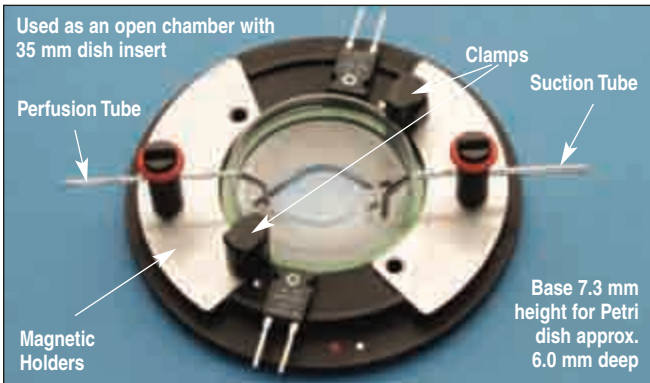
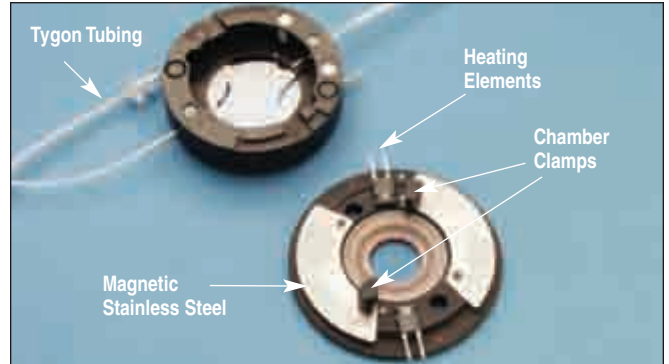
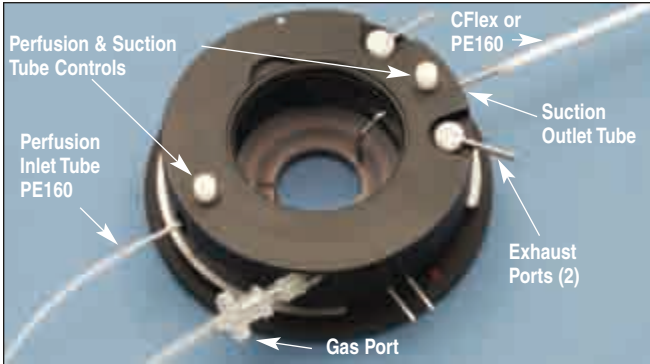
micro-incubators

DH-40i

Micro-Incubation System

Complete environment on the microscope

Permits imaging with perfusion, temperature and gas control



- Designed for RC-40 Quick Change Imaging Chambers and 35 mm culture dishes
- Adapters for Willco Wells, Corning, Nunc, WPI, MatTek and Falcon dishes
- Heated top coverslip (optional) eliminates condensation when used as a closed chamber
- Accommodates upright and inverted microscopes

The DH-40i Micro-Incubator is a system designed for imaging live cells at the required temperature and atmospheric conditions. This versatile chamber is designed for high resolution image analysis, fluorescence microscopy and time-lapse imaging studies.

DH-40i incubators work with Warner RC-40 Quick Change Imaging Chambers and 35 mm culture dishes. The removable top section of the incubator is magnetically held in place and has several sealed ports to allow perfusion, aspiration, and gas atmosphere maintenance. Perfusion and suction tubes can be easily adjusted without disturbing the cell environment. When used as an open bath chamber, magnetic holders are supplied to allow entry of perfusion and suction tubes into Series 40 chambers and 35 mm dishes. Clamps are provided to insure good contact between the chamber and the heated surface, and to prevent movement. Adapter rings are supplied to insure a close fit for 35 mm culture dishes.

The base of the holder has a 25 mm diameter aperture and the removable top section features a 40 mm glass aperture.* An optional heated top coverslip eliminates condensation when used as a closed chamber.

Resistive heating of the DH-40i is provided by means of our TC-324B/TC-344B Temperature Controllers and a CC-28 cable. Heating of perfusate is achieved by our SH-27B or SF-28 In-line Solution Heaters.

The DH-40i chamber includes a set of 6 adapter rings, suction and perfusion tubes, magnetic holders, clamps for RC-40 series chambers and 35 mm dishes, PE-160 tubing (10 ft.), 1/16" ID Tygon tubing (25 ft.), and 5 replacement 40 mm coverslips. See page 175 for replacement parts, weighs 238.7 grams without ring and dish.

Series 20 Stage adapters are available for all major microscopes, see pages 64 to 69. Custom or modified stage adapters are also available, call our technical support department for details.

Order #	Model	Product
W4 64-0388	DH-40i	Culture Dish Incubation System
Accessories and Replacement Parts		
W4 64-0351	AR-4	Replacement Adapter Ring Kit set of 6
W4 64-0100	TC-324B	Heater Controller, Single Channel
W4 64-0101	TC-344B	Heater Controller, Dual Channel
W4 64-0106	CC-28	Cable Assembly for Heater Platforms
W4 64-0102	SH-27B	In-line Solution Heater
W4 64-0103	SF-28	In-line Solution Heater
W4 64-1543	HSC-1	Heated Top Coverslip
W4 64-1544	HSC-RPL	Replacement ITO Coverslips

* Distance between bottom and top cover glass is 18.3 mm.