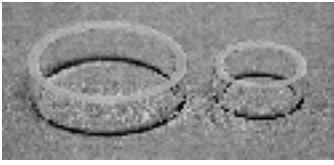


Glass Culture Cylinder Instructions

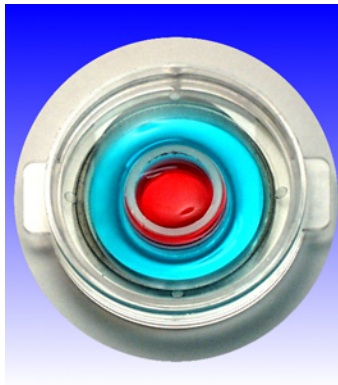


Description:

Culturing Cylinders are used to barricade cells or suspended specimens in a Delta T Dish or to restrict and concentrate the growth and location of cells plated on a coverslip. They are 5mm high and available in a variety of inside diameters including, 4mm, 6mm, 8mm, 10mm, 12mm, and 14mm. The outer diameter is always 2mm greater than the inside diameter due to the 1mm wall thickness. The cylinders are made of Pyrex glass which are heavier than plastic cloning rings to eliminate floating. They are optically polished on the bottom surface to mate with and form a tight seal with other glass surfaces such as coverslips and Delta T Dishes. Culture Cylinders can be autoclaved for reuse.

Delta T Application:

When using Culturing Cylinders with Delta T System, select the appropriate size cylinder for the protocol and place the cylinder into the center of the dish. Pipette the specimen into the cylinder then pipette media around the cylinder to a depth equal to the depth in the cylinder thereby equalizing hydrostatic forces. Make sure to maintain a minimum 2ml of media in the dish to maintain its thermal properties. Several cylinders can be used at the same time in a single dish for multiple specimens.



FCS2 Application:

Place the cylinder onto the center of the 40mm FCS2 coverslip to restrict plating of the cells to the central region of the coverslip. Apply media around the cylinder to equalize hydrostatic forces. After cells have grown to confluence remove cylinder and transfer coverslip to the FCS2 for micro-observation.

