
SUMMARY OF CURRENT PRODUCTS

Manufacturer of microscope warm stages, incubators, liquid nitrogen level alarms, test tube warmers, warming trays, vitrification straws and other instruments specifically used for assisted reproduction. Microscope warm stage system

Since 1989 LEC Instruments has developed over 70 different warm stages to fit various models of microscopes. We also install heaters inside a wide range of microscope stages to maintain original focal distance. This technique is especially helpful where mechanical stages are used, as the heated stage does not interfere with the mechanical stage. CO2 Incubator The new, simple and efficient method for culturing mammalian oocytes, embryos and other sensitive cells or tissue.

Each embryo culture dish is wrapped in a sealable foil bag designed for non-permeability of oxygen and carbon dioxide. After filling with the appropriate gas mixture, the bags are heat-sealed and submerged into a water bath. Thus each culture dish exists as an individual incubator, using water instead of air as a heat mediator. Portable incubator

Long distance transport.

To cater for a variety of test tubes sizes, the incubator has interchangeable aluminium blocks containing cavities for test tubes and operates from an internal 12 volt battery, charger or vehicle. CO2 version also available. Open Pulled Straws

Vitrification straws the new way to cryopreserve oocytes, embryos and stem cells. Dry blocks and heater

To maximise submergence of the test tubes for better temperature control, the LEC dry blocks are 70 mm high. LEC offers a range of test tube blocks, as well as flask and syringe blocks. Liquid Nitrogen level alarm

We consulted insurance and alarm monitoring companies, as well as the end user when designing the alarm. This resulted in many fail-safe features and a fill-timer to prevent false alarms. LivingCell product

Temperature control and monitoring products. Test tube warmer

LEC test tube warmers consist of a tall aluminium block containing a temperature sensor for temperature feedback. This results in excellent temperature control. Warming trays

The warming trays are flat plates standing on 4 rubber feet approximately 24 mm high, with an inbuilt heater and temperature controller. Various sizes are available. Thermocouples

One of our thermocouples is manufactured from very thin (0.25 mm) wire to enable a speedy response time.

Temperature range is from -200 °C to +200 °C.

Digital Thermometer, +/-0.05% accuracy, MAX./MIN. record.