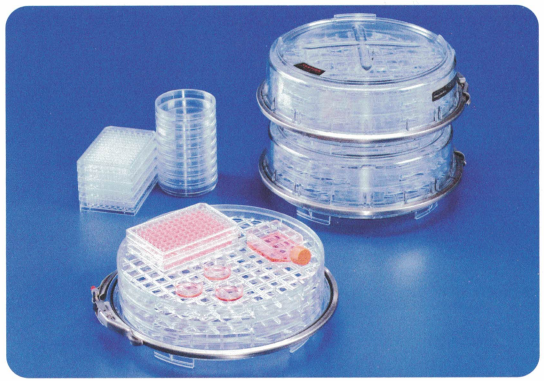
Modular Incubator Chamber™

(MIC-101)

Used to create Hypoxic, Hyperoxic or Normoxic tissue culture environments.



Billups-Rothenberg, Inc. located in Del Mar, CA, has been selling and manufacturing modular CO_2 incubators for over two decades. Scientists and researchers worldwide use these tools on a daily basis for a host of tissue culture techniques, including low oxygen neuronal cell experimentation, stem cell isolation and differentiation, *in vitro* Fertilization (IVF), and [^{35}S]-Cys/Met containment.

Features

- **Easy to use.** Simply flush the unit with desired gas mixture, seal and place in controlled temperature environment.
- **Versatile.** Each unit is a self-contained incubator enabling the investigator to easily and economically create the tissue culture environment of choice. Gas concentrations, humidity and temperature can be tailored to fit experimental needs.
- **Edge Effect.** Repeated measurements of evaporation of short term (96 hr. or less) micro cultures placed in continuous flow CO_2 incubators, revealed evaporation losses in outside wells exceeding 15%. In fact, losses were over 25% in corner wells. Consequently, the outside wells of these plates are being exposed to dramatic changes in pH, as well as nutrient and salt concentrations. When parallel experiments were carried out in the Modular Incubator Chamber, the evaporation was less than 1% which is within the experimental error. The MIC-101 is guaranteed to eliminate the "Edge Effect."

REFERENCES: Over 700 citations, see website for links.

- Morrison SJ, Csete M, Groves AK, Melega W, Wold B, Anderson DJ, J. Neurosci, 2000, Oct. 20(19):7370-76.
- Studer L, Csete M, Lee SH, Kabbani N, Waliksonis J, Wold B, McKay R. J. Neurosci, 2000, Oct. 20(19):7377-83.
- IVF Protocol. The Cryopreservation Laboratory at the Jackson Laboratory. www.jax.org/resources/documents/cryo/ivf.html

Price List

Modular Incubator Chamber (MIC-101)	**$479.00**
2 or More (MIC-101)	**Each $429.00**
Single Flow Meter (SFM-3001)	**$209.00**
Duel Flow Meter (DFM-3002)	**$285.00**
Oxygen monitor, probe and adapter (BRI-pO_2-22 Kit)	**$695.00**
The Hot Box System with Single Flow Meter (HBS 2001S)	**$725.00**
The Hot Box System with Duel Flow Meter (HBS 2001D)	**$795.00**
Replacement Filters for HBS 2001S/2001D (includes 5 exhaust and 5 static Hot Filters)	**$79.50**

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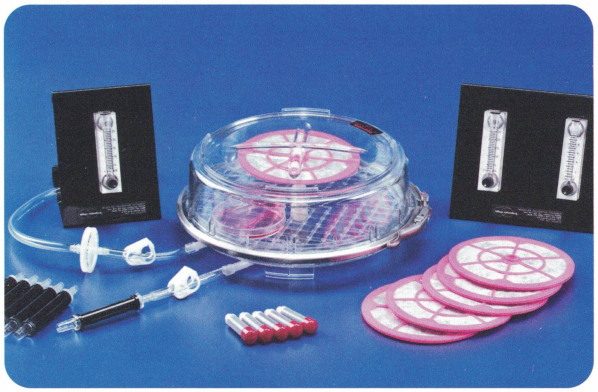
worldwide shipping available

The Hot Box System™



Radioactive gases are continuously generated during *in vitro* labeling of proteins with [^{35}S]-Cys/Met by self-decomposition, up to 1.1 x 10^7 cpm per typical experiment. These [^{35}S]-volatile gases are contaminating your incubator and exposing personnel to excessive amounts of radioactive gases. The Modular Incubator Chamber when used in conjunction with the Hot Box System, eliminates airborne radioactive contamination and allows laboratories to meet federal and state radiation safety regulations. A Static Hot Filter placed inside the Hot Box absorbs up to 90% of radioactive gases. An Exhaust Hot Filter attached to the outflow port captures the remaining radioactive gases.

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Create a stable hypoxic environment