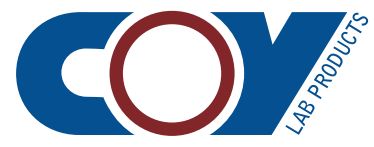




Hypoxic chambers

Flexible solutions. Reliable results.



O₂ control cabinets for InVivo studies



Perform short-term experiments, dynamic oxygen cycling experiments and more.

O₂ control glove boxes for InVivo studies



Maintain animals for extended periods of time under hypoxic or hyperoxic conditions, without ever exposing them to ambient air.



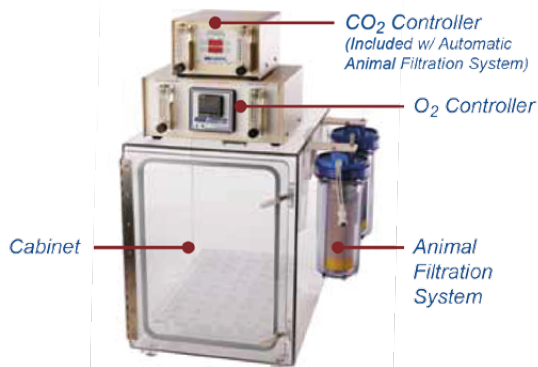
Accelerate your biomedical research

How the Cabinet System Works

The Coy InVivo Cabinet System allows animals to live at reduced or elevated O₂ levels. The system offers the ability to change the O₂ levels between multiple setpoints in increments of 0.1%. Users need to supply N₂ and O₂ for proper operation of the cabinet.

How the Oxygen Control System Works

With oxygen and nitrogen gas sources connected to the O₂ controller, the microprocessor can control gas purges based on sensor readings and the user-adjustable setpoint. Unlike other systems, there is no continuous purge of gas into the cabinet. The controller creates an environment for indefinite exposure to experimental conditions, if needed.



Standard Features and Equipment

- Pressure relief valve
- Two sensor ports
- Circulation fan
- Gas inlet
- Optional pullout shelf for Model 30 unit
- O₂ control range from 0-100%; factory calibrated for 0-20.9% (field calibration required)

Key Accessories

- Animal filtration system
- Added capacity for animal filtration
- Heaters
- Compact dehumidifier
- Dynamic O₂ cycling
- Recirculating atmosphere filtration system (HEPA)

Standard Sizes

InVivo Cabinet - Model 15:	15" W x 20" D x 20" H 381 x 508 x 508 mm
InVivo Cabinet - Model 30:	30" W x 20" D x 20" H 762 x 508 x 508 mm
InVivo Cabinet - Model 60:	60" W x 20" D x 20" H 1524 x 508 x 508 mm

Note: For operational height, add 3".

How the Glove Box System Works

With oxygen and nitrogen gas sources connected to the O₂ controller, the microprocessor can control gas purges based on sensor readings and the user-adjustable setpoint. There is a constant digital display of glove box O₂ levels. Coy O₂ Control Glove Boxes are equipped with a purge-only airlock, which is a transfer chamber that equilibrates O₂ levels by purging excess O₂ or N₂ prior to opening the door into the actual glove box and placing items inside.

Standard Features and Equipment

- Control range from 0-100%
- Factory calibrated for 0-20.9% O₂ control (field calibration required)
- Oxygen is controlled with user-adjustable setpoints in increments of 0.1% (option available for ramp and cycle)
- Purge-only airlock (which, for optimum efficiency, can be custom-built based on the number and size of the animals as well as their cage-size)
- Glove box materials range from flexible vinyl to durable aluminum and polycarbonate
- Interior power supply
- Fan (heated or unheated)

Key Accessories

- Animal filtration system
- Added capacity for animal filtration
- Large capacity dehumidifier
- Sliding airlock shelf
- Temperature control
- Recirculating atmosphere filtration system (HEPA)

Standard Sizes

VINYL SIZES, INTERNAL WORKSPACE

Mini:	30" L x 28" D x 26" H 762 x 711 x 660 mm
1 person:	44" L x 28" D x 26" H 1118 x 711 x 660 mm
2 person:	78" L x 28" D x 26" H 1981 x 711 x 660 mm



ALUMINUM SIZES, INTERNAL WORKSPACE

1 person:	41" L x 23" D x 35" H 1041 x 584 x 889 mm
2 person:	59" L x 23" D x 35" H 1499 x 584 x 889 mm



POLYCARBONATE SIZES, INTERNAL WORKSPACE

Mini:	23" L x 23" D x 23" H 584 x 584 x 584 mm
1 person:	41" L x 23" D x 23" H 1041 x 584 x 584 mm
2 person:	59" L x 23" D x 23" H 1499 x 584 x 584 mm

