

# HypoxyLab™

## Bench-top, barometrically compensated hypoxia workstation

### True Hypoxia Replication

HypoxyLab is unique in that it directly uses the absolute *partial pressure* of oxygen (in mmHg or kPa) to regulate its environment. This superior approach eliminates the significant error due to altitude and climatic variability found in all other systems that simply use a barometrically uncompensated % oxygen measurement.

### Dissolved Oxygen Measurements *in situ*

An optional built-in OxyLite™ module and dedicated sensor port allow real-time, dissolved oxygen measurements to be directly recorded from any layer in the cell-culture media.

### Contamination Controlled Environment

A built-in HEPA filtration system comes as standard and protects cell cultures from the risk of contamination.

### Unrivalled Accuracy

Partial pressures of O<sub>2</sub> and CO<sub>2</sub>, as well as chamber temperature and humidity are controlled via the touch-screen and delivered using digital electronic gas flow controllers and auto-calibrating sensors. HypoxyLab is the most faithfully accurate system available today.

### Lightweight Cover

Routine cleaning and loading of media and other consumables is made easy thanks to HypoxyLab's easily removable, lightweight cover.

### Oxygen Profiling

Precise and rapid gas cycling at your fingertips; HypoxyLab's intuitive user interface provides a powerful, easy-to-program oxygen profiling feature.

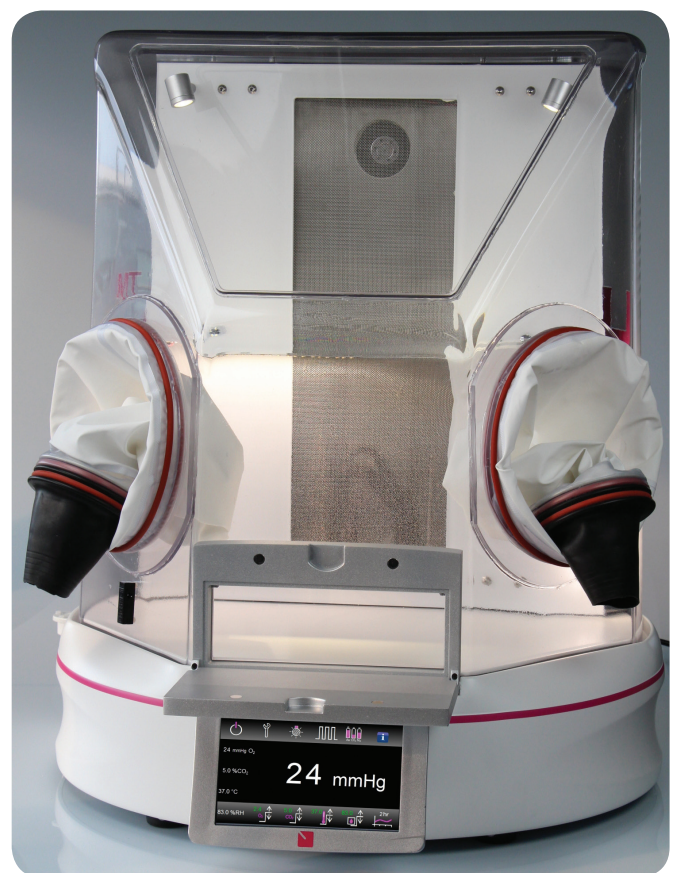
### Data Display and Data Logging

The colour touch-screen conveniently displays real-time data in both digital and graphical format. Data can be recorded onto a USB memory stick and analyzed off-line using the free LabChart Reader® by ADInstruments.

### Economic to Run

A considered design minimizes dead-space to ensure frugal gas consumption. Automatic sensor calibration and a user changeable HEPA filter simplify user maintenance and minimize true cost of ownership.

## Replicating the true cellular oxygen environment



### Ergonomic Design

HypoxyLab's ergonomic design ensures natural, relaxed operation. The angled vision panel, combined with adjustable LED illumination, provide excellent visibility. Choose between bare-hand, gloved or gauntlet operation using HypoxyLab's easy-to-use cuff and sleeve system.

