About Don Whitley Scientific

For over thirty years we have pioneered the development and use of workstations worldwide

Worldwide technical support

More than 2000 of our workstations are in use in fifty countries

Scientific guidance available from our own in-house contract laboratory facilities

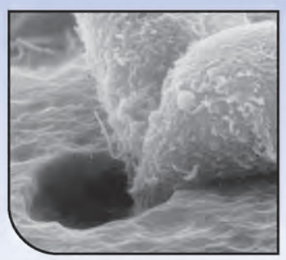

Image courtesy of BD Biosciences

Product details

The Hypoxystation is the ideal product for cell culture research. Our new workstation replicates conditions comparable to those occurring in vivo.

You will have the option to:

- **Control O2 in 0.1% increments from 0.1% to 20%**
- **Control CO2 in 0.1% increments from 0.1% to 15%**
- **Carry out straightforward calibration of gas sensors**
- **Control temperature easily and precisely**
- **Control relative humidity up to 90%**

The Hypoxystation has been designed to combine functional reliability with operational comfort.

- Touch screen interface:
  - Allows you to easily monitor all parameters simultaneously
  - Eliminates the need for any other dials, switches and gauges
- Airlock provides effective cell ware transfer to and from the workstation environment in the fastest possible time
- Patented, ergonomic gloveports allowing gloved or bare hand working
- Each unit manufactured to suit the needs of your particular area of research

Specification

A06000	Whitley H35 Hypoxystation	230V version
A06001	Whitley H35 Hypoxystation	115V version

Don Whitley Scientific Limited

14 Otley Road, Shipley, West Yorkshire, BD17 7SE, England.
Telephone: +44 (0)1274 595728 Fax: +44 (0)1274 531197
Website: www.dwscientific.co.uk Email: info@dwscientific.co.uk

H35 Hypoxystation/1082-02/May 2009

Whitley Workstations
H35 Hypoxystation

don whitley scientific
your environment defined®

Your environment defined

Specifically designed to create normoxic, hypoxic and anoxic conditions within a controlled and sustained workstation environment, this workstation is ideal for all research requiring the ability to accurately control oxygen, carbon dioxide, temperature and humidity.

With such accurate control and the ability to manipulate cells in situ without altering the incubation environment, cell biology research can be performed over a comprehensive range of oxygen tensions with precision and confidence.

Every aspect of system functionality has been thoroughly considered – integral airlock, environmental control systems, touch screen layout, workspace visibility, design dimensions, fabrication quality and our unique port system.

This workstation has been designed in conjunction with cell biology researchers to ensure ultimate performance combined with user comfort, convenience and reliability.

O2 levels monitored continually to provide you with better control and more confidence in your results

Designed specifically for researching cell biology under strictly maintained normoxic, hypoxic and anoxic conditions

Precise temperature control designed to establish and maintain the conditions you require throughout incubation and working areas

Gas mixing achieved via a fully integrated control system to rapidly create your selected environmental conditions

Integrated gas control minimises bench space requirements - no bulky external gas mixing system

www.dwscientific.co.uk

Easily removable front for equipment transfer and thorough cleaning

15cm Letterbox - Ideal for introducing individual samples quickly.

Optional internal power sockets and CO_2 feedback

12 litre rapid cycle airlock

Hypoxystation

your environment defined

H35 Hypoxystation with removable front

Software Options

A06109	**Data Logging -** Allows the data recording of environmental parameters inside the workstation - oxygen, carbon dioxide, temperature and humidity levels and cabinet internal pressure. The collected data can be down loaded via a USB interface to a memory stick and transferred to a PC for further analysis.
A06108	**Data Logging with Oxygen Profiling -** Allows the user to pre-programme different oxygen levels. The user can determine how long the workstation atmosphere remains at a particular oxygen level, when to return to a previous level, remain static or adjust to a different gas concentration.

Upgrades and Accessories

A06110	**Trolley -** Custom-designed trolley frees up bench space and allows the Hypoxystation to be moved easily between laboratories.
A02130/ A02129	**Catalyst/Anotox -** Used to create and maintain an anoxic atmosphere in the workstation.
A06113	**Light Tight Cover -** A close fitting impervious-to-light cover for the front of the workstation. Ideal for applications where exposure to sunlight or ambient light could effect results.
A06114	**Internal Storage Trays -** One or two trays can be positioned under the shelf. This is either a factory-fitted option or trays can be fitted on-site.
A03113	**Automated Sleeve Gassing System -** Automated system for evacuating as much air as possible from the sleeves to maintain internal conditions before entering the workstation.

Factory-Fitted Options

A06100	**CO2 Monitoring -** Hardware and software to monitor and control CO2 in 0.1% increments from 0.1% to 15%
A06101	**Removable Front -** Permits thorough cleaning and sanitising between experiments. Enables users to introduce or remove items of equipment or bulk quantities of samples quickly and easily.
A06102	**Vacuum Take-off -** Provides a method of aspirating used liquid media from inside the workstation in safety and without the risk of spillage or contamination.
A06103	**15cm Letterbox -** Ideal for quickly introducing small quantities of samples.
A06104	**Humidification System -** Adds moisture in minute droplet form enabling rapid, sustained and accurate humidity control.
A06106	**Double Internal Socket -** (1 Amp maximum)
A06107	**Gas Sample Port -** This allows the user to take a sample of the workstation atmosphere for analysis.

Simple oxygen sensor calibration without removing the sensor from the chamber

Wireless footswitch for convenient operation of porthole sequences

Convenient USB memory stick download of stored environmental parameters