

Sci-tive Workstation

Stem Cell Investigations - Total In Vitro Environment

Stem cells continue to show massive potential for regenerative medicine. To ensure researchers can realise this potential, the Sci-tive workstation from Ruskin Life Sciences has been specifically designed to enable both embryonic and adult stem cells to be isolated and differentiated under optimum conditions.

Working under controlled conditions is essential to ensure the differentiation process does not result in inappropriate cell types and therefore the cells can be safely transplanted back into patients. Furthermore, the process can be studied with integrated microscopy and digital software.



Product Features

The Sci-tive workstation incorporates Gas Mixer Q, Ruskin's latest and most advanced gas mixing system. The workstation's *in vitro* environment allows:

- Cells to be examined under precise O₂ and CO₂ tension in hepa filtered air
- Changing O₂ and CO₂ tensions to be programmed over time
- Control of temperature and humidity within the workstation
- Monitoring, tracking and calibration without altering the internal conditions
- Aids compliance with EU Tissues and Cells Directive (2004/23/EU)
- Large working area
- Valuable laboratory space to be created as there is a reduced need for other gas controlled incubators and Class 2 biological safety cabinets

innovation in incubation

PRODUCT SPECIFICATIONS

Workstation Dimensions:

- Height 905mm
- Width 1650mm
- Depth 760mm

Workspace Dimensions:

- Height 590mm
- Width 1190mm
- Depth 570mm

Workstation Weight:

- Weight 130Kg

Interlock Dimensions:

- Height 230mm
- Width 260mm
- Depth 320mm

Atmosphere Control

- Temperature 20° - 45°C
- Humidity 40% - 80%
- O₂ Control 0.0% - 20.9%
- CO₂ Control 0.0% - 30.0%
- Integrated Hepa Filtration System
- Automatic Humidity Control

Standard Accessories:

- Trolley
- 2 Petri Dish Shelving Racks
- Ezee Sleeve™ and Ezee Pleez Bare-hand Access System
- Removable Front with UV Filtration
- Waste Trays
- Gas Tight Waste Port

System PC:

- On-screen Keyboard
- Digital Mouse Touch Pad
- Monitor
- Windows XP

Gas Control Software:

- USB Port to download Event Log
- Visual and Audio Alarms
- One Touch Calibration (O₂)
- Hypoxic Cycling
- Anoxic Conditions

Microscope:

- Nikon AZ100 Microscope with rotary head option to fit two lenses (0.5x, 2x and 4x magnification available)

For more information contact:

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Ruskinn Life Sciences

The Ruskinn brand was founded in 1993 and rapidly became established as one of the world's leading suppliers and manufacturers of anaerobic and modified atmosphere workstations. In 2006, the independent Ruskinn Group of companies – Ruskinn Technology Limited and Ruskinn Life Sciences Limited – was formed after a short transition period as part of Biotrace International plc.

Located in Ruskinn's purpose built area of Sony Technology Centre, Pencoed plant in South Wales, Ruskinn is one of an elite group of UK medical companies offered the opportunity to share the benefits of Sony's renowned production know-how and infrastructure. With direct sales in the UK, US and Nordic Region, Ruskinn products are also available through a worldwide network of carefully selected distributors.



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