

FREEZE CONTROL[®] for IVF Applications

FREEZE CONTROL[®] technology was developed in the early 1980's for human ART applications. For the past twenty years **FREEZE CONTROL[®]** cryopreservation systems have been successfully used in many IVF clinics around the world for routine cryopreservation of embryos and semen. The systems were designed to meet the needs of both clinic and user.

FREEZE CONTROL[®] systems deal optimally with all of the critical phases of cryopreservation, including seeding, latent heat removal, stable and precise cooling without temperature fluctuations, and the ability to hold a steady temperature at any point in the protocol. Specimens experience a high degree of temperature uniformity, and results are accurately reproducible from one run to another. The temperature control range, and cooling rates, of **FREEZE CONTROL[®]** systems are tailored for IVF applications. The systems are easy to operate, manual seeding is simple and safe for specimens, and plunging at the end of a program is convenient.

FREEZE CONTROL[®] systems are lightweight and compact, have low liquid nitrogen and power requirements, have a small footprint, and in busy laboratories the absence of noise is appreciated. The systems require no special installation, minimal operator training, have low operation and maintenance costs. Systems are available as standard, off-the-shelf packages or can be customized for particular applications. Interchangeable modules make it easy to add on modules as required.

With **FREEZE CONTROL[®]** systems, routine cryopreservation of embryos is a simple, reliable, and successful procedure. Results obtained using **FREEZE CONTROL[®]** systems compare more than favourably with other (usually larger and more expensive) systems.

FREEZE CONTROL[®] systems are not only ideal for routine freezing of embryos and semen, but are also convenient research tools for developing protocols for freezing of other reproductive material. This includes applications such as the cryoconservation and banking of oocytes and primordial follicles, ovarian cortex tissue from clients undergoing cancer treatment, biopsied testicular sperm, epididymal, and ejaculated sperm, and testicular tissue, for future reproductive use.

FREEZE CONTROL[®] programmable systems, the CL3300 and the CL8800, are well-suited for routine applications, and are adaptable to changing protocols, making them convenient to use for research applications.

FREEZE CONTROL[®] CL8800 System



- Most versatile system to cater for different human ART applications
- Temperature Control Range +40°C to -120°C
- 16 Pre-installed protocols
- CryoGenesis™ Software
- Internal temperature logging facility for quality control
- External Power Pack for added security

FREEZE CONTROL[®] CL2200 System



- Reliable and low cost Back-up freezer for IVF Clinics
- Temperature Control Range +20°C to -43°C
- 4 Pre-installed protocols (8 optional)
- External Power Pack for added security

Special Solutions for IVF Clinics

Complete Packages for Freezing Embryos, Semen, and Tissue

Versatile Freezer Package

A complete off-the-shelf package for freezing embryos, semen, and tissue. Most versatile option.

- Package Includes:
- CL8800 User-Programmable Temperature Controller
 - 23-Slot Standard Cryochamber for Embryo Specimens
 - 23-Slot Fast Cryochamber for Semen Specimens
 - 60 Ampoule Cryochamber for Tissue Specimens
 - 16 Pre-installed Protocols
 - Cryogenesis™ software- unlimited Protocols
 - 3.8L Cryobath
 - Large Carry Case
 - CL-P10 Power Pack



Compact Freezer Package

For IVF centres which operate on a non-regular basis or which have a low volume freezing requirement, the low initial outlays for the systems, and low power and liquid nitrogen requirements, make it an affordable option for offering cryopreservation services.

- Package Includes:
- CL3300 User-Preprogrammable Temperature Controller
 - 23-Slot Standard Cryochamber for Embryo Specimens
 - 23-Slot Fast Cryochamber for Semen Specimens
 - 5-Slot Ampoule Cryochamber for Tissue specimens
 - Cryogenesis™ Software- Unlimited Protocols
 - 1.5L Cryobath
 - Large Carry Case



Mobile Freezer Package

Mobile or Satellite clinics will find **FREEZE CONTROL**® offers genuine portability, small footprint, fast set up and dismantle, access to alternate power sources, selectable mains power, and the minimal storage space required when not in use.

- Package Includes:
- CL5500 Preprogrammed Temperature Controller
 - 23-Slot Standard Cryochamber for Embryo Specimens
 - 23-Slot Fast Cryochamber for Semen Specimens
 - 8 Pre-installed Protocols
 - Internal Power Pack
 - 3.8L Cryobath
 - Large Carry Case



Back-up Freezer Package

IVF Clinics requiring a second freezer, or a back up system for regulatory compliance purposes will find attractive the small size, low cost, fast set up, low maintenance requirements, and high reliability of **FREEZE CONTROL**® systems.

- Package Includes:
- CL2200 Preprogrammed Temperature Controller
 - 23-Slot Standard Cryochamber for Embryo Specimens
 - 23-Slot Fast Cryochamber for Semen Specimens
 - 8 Pre-installed Protocols
 - 1.5L Cryobath
 - Standard Carry Case

