

HUMAN TISSUE SOLUTIONS

IVF, FERTILITY, EMBRYOLOGY AND ANDROLOGY CLINICS

CryoService has many years experience in dealing with the Fertility, Embryology and Andrology markets and understands the ever changing demands put upon these clinics and centres, be this in terms of administration time, conformance to regulatory requirements or ensuring that laboratory space is maximized.

All of this has to be achieved without compromising quality and safety whilst best value is always obtained.

With this in mind CryoService has identified three types of sample storage method tailored for these applications.



Market Leading Vapour Phase Storage Vessels

CryoService has a range of freezers that are specifically available to the fertility market, and are designed to hold vials, straws and goblet canisters that are used by all of the leading fertility clinics. By utilising an innovative design, vapour phase storage at near liquid nitrogen temperatures is achieved throughout the freezer.

The inventory system incorporates a two level storage arrangement, that via an access portal allows the simple removal or identification of product stored on the lower level.

This product range has one of the smallest footprint sizes for straw storage versus its capacity in the market, and subsequently one of the lowest lifetime running costs; other features include:



- Straw capacity (0.25cc) up to 198,000
- Auto fill system
- A dry vapour phase sample area
- -190°C at the lid
- Integrated alarm monitoring (temperature, level)
- Alarm and temperature monitoring configurable to host site's Building Management System (BMS)
- Long temperature hold times combined with refill frequency of only once every 4-5 days (subject to use)
- Inventory management system
- The most thermally efficient freezer available
- Inventory labeling and software management

1010/01

Liquid Phase Storage Vessels

Due to the recent changes in allowed storage time, and the pressure on single embryo implants there has been an increase in the number of overall samples being stored.

By utilising larger liquid phase freezers, which can contain up to five times as many straws as those in the traditional aluminium freezers, this results in not only an overall reduced footprint size within the clinic, but also a reduction in nitrogen consumption and therefore overall spend.

The product offering from CryoService are designed for liquid phase but can be adapted for vapour phase.

- Straw capacity (0.25cc) up to 172,000
- Auto fill system
- Liquid phase
- Integrated alarm monitoring (temperature, level)
- Alarm and temperature monitoring configurable to host site's Building Management System (BMS)
- Inventory systems
- Inventory labeling and software management



Small Aluminium Freezers

Traditional style aluminium freezers, with product stored in liquid phase. Generally found where there are either a low number of samples stored or in certain circumstances where medium sized clinics have evolved to contain upwards of 15-20 freezers.



For these applications CryoService can offer the following:

- Straw capacity (0.25cc) up to 10,000
- Vial Boxes
- Canes
- Cryo Sleeves
- Roller base
- Low level alarms with remote alarm output

Accessories available

- Inventory – Including canisters and straws
- Personal Protective Equipment (PPE) – Glasses, Gloves, Aprons, Face Shields
- Health and Safety – CryoService can offer a range of services from advice on best practice in the design and storage of equipment using liquid nitrogen to full safety audits and a range of safety training courses (either classroom or internet based, dependent upon the users requirement)
- Vapour Shippers – Typical temperature hold times are in excess of five days (dependent upon sample size), and are IATA approved and certified.

