

Life Store Universitair Medisch Centrum Groningen (LifeLines)

LifeLines has become one of the most valuable public, multidimensional cohort studies and biobanks in the world. LifeLines offers a unique data resource to study a broad scope of (epi)genetic, biomedical, environmental and psychosocial factors in relation to healthy ageing, disease development, and general well being: the cohort study started in 2006. It will become the largest population-based study in the Netherlands, with an estimated size of 165,000 individuals who will be followed-up for 30 years. LifeLines plays an important role in the Healthy Ageing approach of the University Medical Center Groningen (UMCG).



-80 robot room back-up by Cryo Solutions BV

In order to store all their samples in a proper way the UMCG has built a large Hamilton -80 Robot room 'LifeStore'. In the whole world there are only two other comparable facilities. Along with the many safety features to make sure this facility will always stay cold enough (like emergency power generators), the users also needed a Nitrogen back-up system and because of good experiences with Cryo Solutions BV we were asked to build this extra safety option. Cryo Solutions BV built a system with vacuum insulated piping and a degass unit. When the robot needs to employ Liquid Nitrogen the piping will be cooled to make sure that it is only liquid N2 that will supply the back-up unit of the robots.

MVE816-2T 190 IVF vessel for EMC Rotterdam



The IVF department of the university medical centre in Rotterdam has chosen the special IVF vessels from MVE. They evaluated their existing "dry" storage systems (wide neck vessels) but for their storage expansion they opted for this vessel because it has the most effective storage per square meter. Additional to this it has a much better temperature range and stability: in fact it's the only vessel in the market with a guaranteed -180C to +190C storage profile, even with the lid open for long periods. The MVE816 2T is fast becoming the new standard for storage in "dry" gas phase for the IVF market with 17 units in Holland by the end of the year.

**LABTECHNOLOGY
2013**

Visit us at booth D037

Cryo Solutions at LAB technology 2013

Cryo Solutions will be attending the latest Labtechnology exhibition taking place on 6th and 7th of November at the exhibition grounds Jaarbeurs in Utrecht. Come and talk to us there with all your questions and wishes regarding equipment, repairs, service or other issues such as liquid gas deliveries. Our stand number is D037. We will be cooperating with:

salmenkipp
GILSON®

UDIAS
UNIE VAN LEVERANCIERS VOOR DE LABORATORIUMSECTOR

Visit us at stand #4

Cryo Solutions at LaboCademy G.H. Luxembourg

On 14 November Cryo Solutions will take part in the exhibition in Centre d'Coque organised by UDIAS. This will be a perfect opportunity for Cryo Solutions to get better known in this region and for us to introduce our product range.

New controller introduced at ESHRE 2013



In cooperation with Planer we introduced our new CryoFill controller during the ESHRE exhibition in the London Excel. This controller is multi functional and suits any type of cryogenic storage vessel; it is also ready for connection to the new Planer ReAssure monitoring system.

ESHRE 2013 in London

The ESHRE 2013 conference took place this year in London. It was the perfect opportunity for Cryo Solutions to promote its activities in collaboration with cryogenic companies such as Planer and Chart MVE. The next meeting will take place in Munich in 2014.



Introduction of the storage system for the MVE816



During ESHRE Chart Biomedical / MVE introduced the new IVF inventory system which was developed by Cryo Solutions in cooperation with the IVF department of the Amsterdam Medical Centre - AMC. This very simple but effective inventory system will be offered by MVE as part of their portfolio now.

This new state of the art controller is capable of working with the two in the cryogenic world used standards for measuring liquid Nitrogen levels. This means that you can use the CryoFill automatic fill unit on any vessel in the marked, we can fit the CryoFill on your new vessel or update your existing vessels.

Another important feature is its connectivity with data log and alarm system from Xiltrix - IKS, you can read the most important data even from home....

If an alarm pops up you simply access the controller through the internet to check on the temperature and liquid Nitrogen levels 24/7.

Successful Participation in Laborama 2013



The latest Laborama show in Brussels was once again an enormous success for Cryo Solutions. The special MVE816 vessel for the dry storage of straws attracted particular attention. Given the excellent response and the enjoyable nature of the event, we are definitely planning to be present in 2014 !

MVE816-2T 190 IVF vessels for Arnhem



The Rijnstate Hospital in Arnhem has the IVF specific vessels from MVE. They asked several competitors to send in their proposals and after evaluating these they opted for this vessel because it has the most effective and easiest inventory system.

The inventory system is very easy to work with and the straws (with semen) do not have to leave the -190C environment when a user searches for the right sample. In fact one can freeze the straws with semen in the vessel itself in a special freezing tray, and move them inside the vessel into the storage boxes.

New CryoFill controller for EMC Rotterdam



The stemcell laboratory of the Erasmus Medical Centre has bought a Taylor Wharton "dry" storage tank type 24K with the new CryoFill controller. The biggest advantage for the department is the fact that this controller can be connected through the Ethernet with their Xilatrix alarm Monitoring system supplied by IKS, The department can now access the automatic filling unit remotely and check the status of levels, temperature, alarms and filling frequency.

MVE1426 for semen storage

Together with the University Medical Centre St. Radboud of Nijmegen, Cryo Solutions developed an inventory system for storing semen in Liquid Nitrogen. The idea is that a user stores in much the same way as previously but now in one large tank rather than in several smaller aluminium vessels. Optionally this larger tank can be fitted with the new CryoFill controller.



Visit our website for all our products and services:



Product info

The universal automatic filling unit – Cryofill

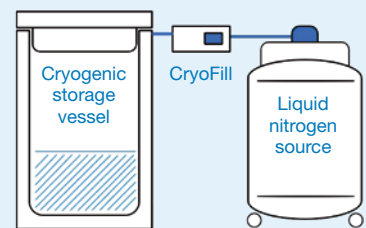
“The best of two worlds”

In the world of cryogenic filling units we have two industry standards for measuring and controlling the liquid nitrogen level: the 4 point level sensor and the pressure differential measurement method.

In practice one comes across both systems and in many cases a cryobank consists of a mixture of each system, as every manufacturer of storage vessels uses its own system and controller. This causes problems when one needs to connect the different controllers in a cryobank for simultaneous filling or degas sequences.

Cryo Solutions has developed a new automatic filling unit for biological storage vessels which can operate with both known standards and therefore we can up-grade any existing vessel to one standard controller. This means that you will have the big advantage of selecting the type of vessel most suited for your application no matter which brand or type you choose - (wide neck for easy access or the high efficiency turn table. And as well as that you can upgrade all your existing vessels with the same unit regardless of which system they operate on, and in doing so you will optimise the control of your biological storage.

The setting, status, events and alarms are displayed on a TFT touch screen display and are very easy to read. The alarm will be displayed in a different colour on the TFT display for easy recognition and an audible alarm will sound. The unit is also equipped with a remote NC/NO contact. The unit itself does its internal logging on a SD card and optionally the unit can be connected to a remote alarm system such as Planer’s assure24seven, Reassure or Xiltrix through a Ethernet/ LAN connection, RS485 or USB



Normal operation:

LN2 Level: 115mm
Temp. A -196°C
Temp. B -162°C

Menu

Fill

Example of an alarm:

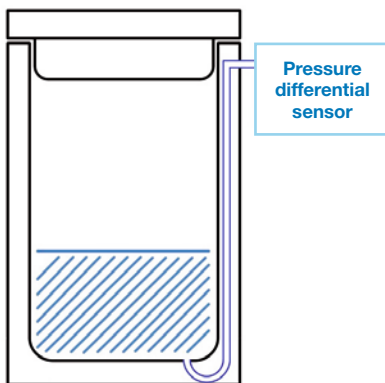
Temp. B Low Alarm

LN2 Level: 92mm
Temp. A -184°C
Temp. B -128°C

Menu

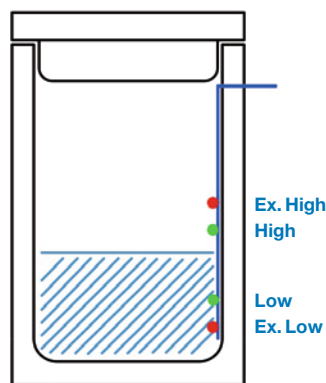
Mute

Pressure-Differential measurement:



+ Precise level indication

Four-Point NTC measurement:



+ Very simple, basic level indication

Want to know more about the Cryofill filling unit?

Please feel free to contact us. You can reach us by phone (+31)73 620 54 50 or via email at info@cryosolutions.nl