

## Surprises during HET Instrument 2010



Cryo Solutions will, of course, be present once again at 'HET Instrument', the largest laboratory equipment trade fair in the Netherlands. Since molecular gastronomy or 'cryo cooking' is becoming increasingly popular, we will be welcoming Jelle Janssen from 'In de Keuken' (in the kitchen) to this

year's fair as the one of our main 'attractions'. On each day of the fair, he will be demonstrating cryogenic cooking for us and treating visitors to the ultimate in culinary delights. Moreover, just take this newsletter along to the fair and let us stamp it to entitle you to a discount when you visit his restaurant!

HET Instrument 2010 will be held from 28 September to 1 October in the RAI in Amsterdam. This year also sees later opening-hours so that visitors can avoid the rush-hour traffic. Free public transport is also available when you show your admission ticket. See also: [www.hetinstrument.nl](http://www.hetinstrument.nl).

## Special offer: Gastronomic Delights by Toine Smulders



Top chef Toine Smulders has recently opened his beautiful, trendy hotel *slapen + eten bij Toine*, ('sleep and eat at Toine's) a former customs office building dating from 1905 and situated in the Dutch village of Tolkamer. Just five minutes walk from the hotel is Cuisine Toine Smulders in Villa Copera, where you can experience

the very best in culinary enjoyment. Now you can find out for yourself, at a price you'll enjoy too! *slapen + eten bij Toine* is offering readers of our newsletter a unique arrangement. Guests are offered a welcome cocktail and overnight accommodation in one of the luxury rooms at *slapen + eten bij Toine*. In the evening, guests will be treated to a top-class four course dinner at Cuisine Toine Smulders in Villa Copera. The next morning, a delicious breakfast is served either in the hotel, or, weather permitting, al fresco with views of the River Rhine. This special arrangement is being offered for just € 97.50 per person.

### Book today!

You can book this unique arrangement through *slapen + eten bij Toine* by calling this number: +31 (0)316 540 450.



You can find us in hall 3 at stand number 3C030

## University of Antwerp Purchases Third MVE 1520 Eterne



The Department of Biomedical Sciences at the University of Antwerp has purchased a

third MVE Eterne vessel. Having successfully worked with two vessels for several years now, the department has decided to purchase a third vessel in order to ensure they have adequate storage capacity in the near future.

The three vessels operate synchronously (one fill all fill) and are connected to the PLC control unit.

## Successful Laborama 2010



The 11th edition of the Laborama trade fair in Brussels was once again an enormous success for Cryo Solutions. The special MVE816 vessel for the dry storage of straws attracted particular attention. Not least due to the excellent response and the pleasant character of the fair, we have already decided that we will definitely be present at Laborama 2011.

### Closer Cooperation with Air Liquide



The excellent cooperation between Air Liquide and Cryo Solutions has now entered a new phase. Following a successful start in which Cryo Solutions was commissioned to supply Air Liquide with liquid nitrogen, this service has now been expanded to include a new Cryo Logistics Van with a 1500 litre tank. Thanks to this expansion, we are now able to provide our customers with an even better supply of liquid nitrogen and dry ice.

### University Hospital Leuven Purchases MVE1400



Following the purchase of an MVE1411 by the Leuven University Hospital's Stem Cell Laboratory, its Centre for Human Genetics has now opted to purchase an MVE vessel with a 'dry' vapour phase storage system, in this case a cabinet version. This version was chosen due to the regularity with which the storage vessel is used. The large neck opening and the partitioning of the waterproof

frame allow for easy accessibility. The storage vessel was purchased in combination with a 120 litre volume Cryo Anlagenbau CS120SK pressure tank. This pressure tank was custom-made at the request of the client to feature five swivel casters. Proof yet again that we can also realize your special wishes!

### Erasmus MC Cluster 6 Purchases Cryobank



Having previously supplied Erasmus MC Hospital in Rotterdam with its cryobanks, Cluster 6 has now also opted to purchase a completely new cryobank from Cryo Solutions. The project comprises vacuum insulated piping and a PLC control unit which contains a switch over device and a de- gas and simultaneous filling system.

### New Cryobank for Dutch Institute for Public Health and the Environment (RIVM)



The Dutch Institute for Public Health and the Environment (RIVM) has chosen Cryo Solutions to manufacture and install a new cryogenic system into which their existing Taylor Wharton storage vessels will be integrated. The RIVM wanted the entire system, including the storage vessels, to be modernised and updated.

They considered Cryo Solutions the best partner with which to undertake this comprehensive task - and that is something to be proud of! We have replaced all the vacuum insulated piping and installed an emergency stop circuit which includes a main shut-off valve.

Furthermore, we have supplied a completely new de- gas and simultaneous filling system with PLC control and a text display. Moreover, all vessels feature new Mowden M505 (AFT-3L) controllers.



### Wageningen UR Plant Sciences Group opts for Cryo Solutions



Wageningen University & Research Centre's Plant Sciences Group (PSG) combines the spheres of scientific biological education and research. The organisation asked us to try and find the cause of temperature inconsistencies in the biological storage vessels; these turned out to be caused by a fairly common problem: the use of stainless steel rather than aluminium

racks. Our fast and resolute business conduct also convinced PSG to choose Cryo Solutions to supply several other products and services such as a new Taylor Wharton 24K dry vapour phase storage vessel. Maintenance was also required on the organisation's existing installation and nitrogen vessels. Cryo Solutions supplied the vessel and PSG signed a maintenance contract with Cryo Solutions for the foreseeable future.

### University Hospital Leuven Opts for Affordable Solution

Leuven University Hospital's Centre for Human Genetics already had several storage vessels that were old but perfectly serviceable; only the alarm and filling units were no longer functional. It seemed a waste to have to replace everything, including the vessels. There surely had to be another good and affordable solution, and there was, from Cryo Solutions! We supplied the centre with second-hand, reconditioned automatic filling units that had each been fitted with a new sensor boom and solenoid valve. Thanks to this attractively priced solution, the original vessels can now still be used in a fully automatic and controlled fashion.



### Enjoy 20% Discount Culinary Delights from Jelle Jansen

You will find restaurant In de Keuken (Dutch for 'in the kitchen') in cosy premises located between larger monu-

mental buildings on Utrechtsestraat in the heart of Amsterdam. From the outside, you can see the chefs at work surrounded by cookery books, an open pantry and beautifully laid tables for the guests. During the HET Instrument trade fair, head chef and owner Jelle Jansen gave a demonstration of cryogenic cooking at the Cryo Solutions stand. This newsletter also entitles you to 20% discount when you book a table at his restaurant. All you have to do to get your discount is visit our stand and we will stamp the coupon at the bottom of this newsletter.



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Telephone +31 (0)20 616 74 14  
(Tuesday to Saturday from 1 pm)  
[www.indekeuken.com](http://www.indekeuken.com)

## Solutions Cryo COUPON



During your visit to HET Instrument, book a table at restaurant In de Keuken...  
... and enjoy a unique top-class culinary experience with **20% discount!**\*

All you have to do is get this coupon stamped at the Cryo Solutions stand. Hand in the coupon when you pay and get your 20% discount immediately\*. Make sure you book early, because full is full. Enjoy your meal!

(stamp)

\* Discount valid for meals only, does not apply for drinks and is only valid on the four days of the HET Instrument trade fair.

### Product info

## Cryo Logistics for On-Site Gas Deliveries

Cryo Logistics is a special service provided by Cryo Solutions for the delivery of dry ice and gases (including liquid gas). We can supply between 3 and 1000 litres of gas to a site per delivery with or without the additional hire of a liquid nitrogen vessel and safety articles such as cryogenic gloves and oxygen detection equipment. We have a very wide range of applications available. These include standard biological storage applications, but also applications for cold shrinking, overclocking computers or molecular cooking. Many clients also find it useful to replace their cylinder packs with a liquid gas pressure tank, which provides the user with a constant supply of gaseous nitrogen.



## Wireless System for Temperature Control

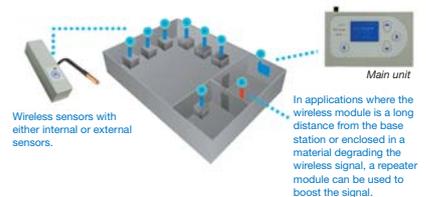
Assure24seven is a wireless stand-alone monitoring and alarm system with which you can monitor the temperature in cold storage and freezer areas, storage areas or of laboratory equipment such as vapour phase nitrogen vessels etc. The unit offers a complete solution for practically all your needs and includes an online interface, mass storage, a Graphical User Interface (GUI) and USB connection.

The system has eight inputs from which the temperature or I/O contacts can be read. Installation is very easy for small areas as the module uses just two cables. The system can be expanded using network modules for larger applications or when more than eight inputs are required. This avoids many metres of extra cable having to be laid, and so too the attendant costs. Each module can simultaneously process eight further signals and up to sixteen units can be connected to the module (daisy chain network). The signal is transmitted digitally so that quality is maintained.

Some applications are not suitable for a permanent connection, and sometimes there is simply no access to cable ducts. In such cases, wireless products are the ideal solution, also when it comes to monitoring mobile equipment, or equipment retrofits, revisions or upgrades.



#### Wireless Installation



#### The Assure24seven can produce several types of alarm:

- Locally, on the unit itself using a buzzer and LEDs
- Externally, through power-free contact with a horn, revolving lamp or stroboscope
- Connection to an existing building management system
- Connection to a modem or autodialler
- Connection to a LAN system (IP/e-mail)

#### Data Collection Options:

- The display shows real-time data
- Data is stored internally at one-minute intervals for a period of five years (saving PC space)
- Data can be retrieved and exported via LAN /Ethernet or using a USB stick
- The information can be processed in various file formats such as HTML, CSV and Excel
