



Press Release – May 17<sup>th</sup>, 2017 - Montigny Le Bretonneux, France

## **CRYOLYS EVOLUTION: KEEP YOUR THERMO-SENSITIVE MOLECULES « IN SHAPE »**

**Cryolys® Evolution:  
embedded cooling module designed for the Precellys® Evolution  
homogenizer**

**A unique protection for thermo-sensitive samples preparation**

*~ Best-of-breed cooling technology perfectly adapted to Precellys® Evolution homogenizer  
Free standing, without any air pipe or wire, allowing better performances out of a minimal bench space ~*

On the occasion of Biotechnica, the international trade show for biotechnology and life sciences held in Hannover, Germany, from May 16 to 18, 2017, BERTIN, entity of CNIM Group, presents its latest generation of patented cooling module for Precellys® Evolution homogenizers: the Cryolys® Evolution. It enables to keep the temperature of the samples between 0°C and 10°C during homogenization preventing them from heat degradation.

This new version of Cryolys® is installed on the top of Bertin's Precellys® Evolution homogenizer without any air pipe or power cable – it is powered directly through the Precellys® unit. End-users may control both devices from a single interface, enabling them to benefit from greater performances in a smaller size.

Cryolys® Evolution allows preventing the degradation of thermo-sensitive molecules such as RNA, siRNA, metabolites, enzymes or proteins. These molecules are subject to more and more investigations, especially in the fields of Cancer Research and Pharmacology. Cryolys® Evolution's patented technology allows to maintain a low temperature (0°C- 10°C) before, during and after the grinding process with Precellys® Evolution.

The Cryolys® technology is based on using air as a cooling media to cool down the tubes surrounding under the Precellys® lid. The new Cryolys® Evolution is free standing and uses only dry ice and ambient air without frost generation, which is a major innovation. Moreover, Precellys® Evolution now completely drives the cooling unit through its software-integrated programming functions. Thereby, the accuracy and the efficiency of the system have been drastically improved, in order to offer the best thermo-sensitive molecules' protection from heat degradation during homogenization.

"Our Precellys® homogenizer has been a huge success for over 10 years to many lab handling biological samples" comments Bruno Vallayer, PhD, Vice President Marketing & Sales Bertin Technologies. "But those who wished to use it in combination with our previous cooling option had to ensure they could have access to compressed-air network – which was not always the case. This new version of Cryolys® will enable them to get rid of this constraint. It will also be quite handy for facilities dealing with limited space or safety constraints such as Bio Safety Laboratories".

A 100% French technology, Cryolys® Evolution has been designed and developed internally by BERTIN's team and manufactured in France.

→ **Find out more on [Cryolys Evolution](#)**

→ **Watch the video:** 



## ABOUT BERTIN TECHNOLOGIES

BERTIN TECHNOLOGIES, subsidiary of CNIM Group, relies on its long history of innovation to develop, produce and market innovative systems and equipment worldwide. With close to €96M in turnover and 700 partners in 2016, of which 2/3rd are engineers and high-level managers, the group works in four major fields: systems and instrumentation, consulting and engineering, information technology, pharmaceuticals and biotech. Based in Paris region, the group is highly active worldwide.

[www.bertin-technologies.com](http://www.bertin-technologies.com)

Its leading instrumentation activity is represented through the brand **BERTIN INSTRUMENTS**.

BERTIN INSTRUMENTS solutions and teams are dedicated to innovative measurement and sampling for key worldwide markets, such as:

- Lab Equipment (sample preparation, air sampler, cell imaging)
- Nuclear Instrumentation (radon professional monitoring, environmental radiation monitoring systems, radiation portal monitors, health physics)
- Defence, Security and Safety (gas detection, optronics)

Its R&D people also provides on-demand technology systems and turnkey integrated solutions under harsh environment or industrial constraints.

[www.bertin-instruments.com](http://www.bertin-instruments.com)

## A COMPANY MEMBER OF CNIM GROUP

The CNIM Group designs, develops and manufactures turnkey industrial solutions with high technological content and provides expertise, services and operating capability in the areas of the Environment, Energy, Defense and High Technology. CNIM manages projects and sells equipment throughout the world. CNIM is backed by a stable family shareholder base that underpins its future development. The Group employs 2,500 staff and had revenues of €539.9 million in 2016, 54.6% of which was from exports. CNIM is listed on the Euronext Paris stock exchange.

[www.cnim.com](http://www.cnim.com)

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