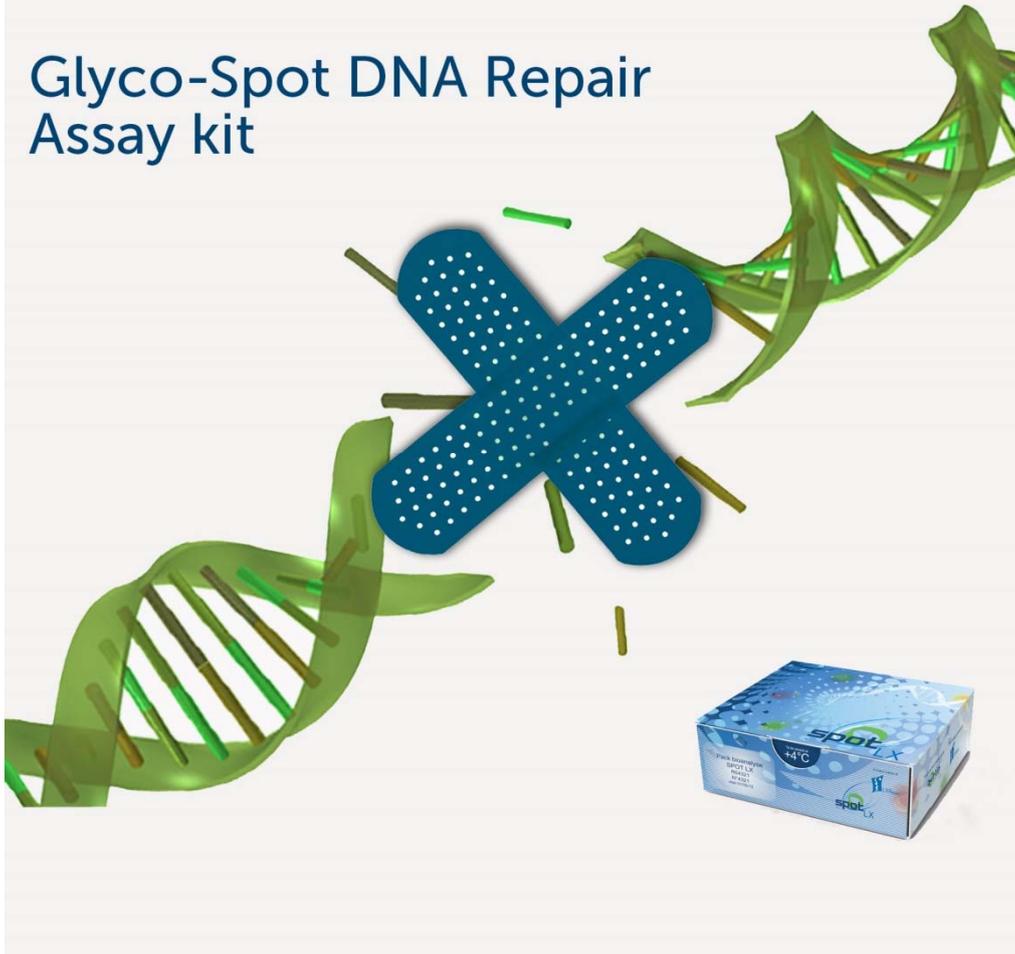


## Glyco-Spot DNA Repair Assay kit



### Life Sciences

Bertin Pharma signs a manufacturing and distribution  
agreement with LXRepair

*7<sup>TH</sup> DECEMBER 2015 – MONTIGNY-LE-BRETONNEUX*

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Montigny-le-Bretonneux, 7th December 2015

## Bertin Pharma and LXRepair sign up an agreement for manufacturing and distributing a kit to quantify DNA repair enzyme activities

**Glyco-SPOT DNA Repair Assay kit:  
a ready-to-use kit to assay enzymatic activity responsible for DNA Repair**

LXRepair, spin-off of CEA (The French Alternative Energies and Atomic Energy Commission), has a unique expertise in the field of DNA Repair enzyme activity quantification on microarrays. LXRepair proposes its expertise through a range of kits and services.

LXRepair has approached Bertin Pharma to industrialise, produce and market its first off-the-shelf assay kit: Glyco-SPOT DNA Repair Assay kit. This assay kit is the first of the range SPOT-LX.

SPOT-LX is based on a technology developed by LXRepair. This unique technology addresses the need to understand and characterize the entire DNA repair network, main cellular defence system against DNA damage. Indeed, our genetic material suffers damage due to exposure to environmental agents (UV radiations, atmospheric pollutants) or endogenous stress (oxidative stress, inflammation). Damage that is not repaired can give rise to mutations (changes the genetic heritage) which strongly contribute to the development of cancer and aging. Tumors' response to cancer treatments may also depend on their DNA repair capacity. In this context, a better understanding of these mechanisms allows improving our comprehension of cancer development, and either defining new treatment strategies or improving existing treatments.

### **The solution to better understand how DNA repair operates**

The SPOT-LX range defines a DNA repair enzyme signature that characterizes the functionality of multiple DNA repair enzymes simultaneously, through a multiplexed approach on micro-support (patented technology under exclusive worldwide license from CEA / University Joseph Fourier).

Bertin Pharma provides pharmaceutical and cosmetic companies a unique tool to identify the mechanisms of action of their molecules at the research stage and for clinical studies, with a ready to use test: **the product range called SPOT-LX.**

The applications also encompass study of aging, neurological diseases, oxidative stress, inflammation and consequences of exposure to genotoxics through the identification of specific biomarkers of DNA repair.

### **An expanded range of assays and featured internationally**

Bertin Pharma is one of the players in the market for the supply of reagents and assay kits for the research and development for the pharmaceutical, cosmetic and food industries. Bertin Pharma markets biological reagents ranges in the fields of inflammation, metabolic diseases and cancer for over 25 years.

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With a unique expertise in industrialising methods developed in laboratories, Bertin Pharma has built a network of over 20 partners, from the United States to Japan, to distribute added-value products coupled with thorough technical assistance.

Bertin Pharma completes, with this new range - SPOT-LX, its existing ranges of biomarker assays applied to his expertise areas that are metabolic syndrome, hypertension or oncology.

### About LXRepair

LXRepair is a spin-off from CEA (The French Alternative Energies and Atomic Energy Commission), located in Grenoble - South East of France.

LXRepair is the first company worldwide to develop high added value tests for the simultaneous determination of several DNA repair enzyme activities - based on over 10 years of research of his founder Sylvie Sauvaigo.

This approach, powerful, informative and standardised, can identify relevant DNA repair related biomarkers in areas where the need is critical (personalized medicine in oncology, aging, inflammation, sun protection, protection against pollutants).

LXRepair chose Bertin Pharma to manufacture and distribute its products as ready-to-use kits. LXRepair also proposes fee-for-service in the fields of oncology, cosmetic and toxicology.

LXRepair is involved in several clinical research programs to identify predictive biomarkers of response to anti-cancer therapies.

The start-up is the recipient of the national competition award for the creation of innovative technology companies (2013).

**Contact LXRepair**  
contact@lxrepair.com

### About Bertin Pharma

Bertin Pharma, subsidiary of Bertin Technologies (Group CNIM), is a European R&D pharmaceutical leading player. It offers both expertise as services and bioanalytical tools

Backed by more than 20 years of experience in the development and validation of endogenous and exogenous biomarkers assays, Bertin Pharma has developed more than 150 assays. Its comprehensive offer covers number of therapeutic areas such as hypertension, diabetes, obesity, psychopharmacology, inflammation, growth hormone, oncology, allergy, etc.

Thanks to the multidisciplinary and complementary know-how of its scientists, Bertin Pharma can advise you before, during and after your experimentation.

Bertin Pharma distributes its high quality products worldwide thanks to our distribution platform and our international distribution network.

Bertin Pharma benefits from a loyal and prestigious client base: Big & Mid Pharma, biotech Companies and also public research laboratories.

Please visit [WWW.BERTINPHARMA.COM](http://WWW.BERTINPHARMA.COM).

#### AT A GLANCE

- 2014 turnover: 12.8 M€
- Customers: Pharmaceutical Laboratories, Public Research Laboratories, Contract research, players in the field of Cosmetics and Food Industries.
- Head office located in Montigny-Le-Bretonneux (Paris region)
- > 120 collaborators managed by experts and highly qualified management
- 6 brands/ranges of products including 2 proprietaries (SPI-Bio & MS2Plex)

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► **CONTACTS PRESSE Bertin Pharma**

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About Bertin Technologies

Bertin Technologies, a subsidiary of CNIM, relies on its historical experience of innovative engineering to develop, produce and market worldwide innovative systems and equipment:

- advice, studies and expertise
- development of processes, pilots and prototypes
- design and supply of software and high-value equipment

Its 500 engineers and top scientists allow it to intervene in particular in the areas of energy and environment, defense and security, pharmaceuticals and life sciences, or aerospace.

Based in Montigny-le-Bretonneux, nearby Paris, the Group is also present in Orléans, in the Southwest and in the Southeast of France. It is very active internationally, notably through its subsidiary Bertin Corp. based in Washington.

Please visit [WWW.BERTIN-TECHNOLOGIES.COM/INDEX.ASPX](http://WWW.BERTIN-TECHNOLOGIES.COM/INDEX.ASPX)

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