



CUSTOMER CASE STUDY:

Thermo Scientific Nautilus LIMS™ helps PharmaMar Harvest Cancer-Curing Organisms from the Ocean

PharmaMar, a unique biopharmaceutical company with headquarters in Madrid (Spain) and laboratories in Cambridge (US), specializes in the discovery of new molecules for oncology treatment from organisms living in the sea. The oceans cover 70% of the Earth's surface and account for 90% of the biosphere. Over millions of years myriads of marine life forms have evolved to produce a vast diversity of uniquely sophisticated chemical entities. Among these there are molecules with potent biological activities which have developed as a form of biochemical warfare to survive in a highly competitive environment. PharmaMar has recognized the anti-tumor potential of these molecules and is actively developing them as innovative treatments for cancer.

PharmaMar Improves Efficiencies of R&D Laboratories with Thermo Scientific Nautilus LIMS

PharmaMar Spain required a laboratory information management system (LIMS) that would manage data in a central repository to enhance laboratory workflow, improve data quality and control, and facilitate information management throughout the laboratory.

Today, PharmaMar is experiencing the following benefits with Thermo Scientific Nautilus LIMS:

- All data is stored and managed in a single repository, resulting in significant efficiencies
- Data is entered one time and is shared amongst all departments, aiding in collaboration, reducing errors and saving personnel time

- Nautilus LIMS is configured to support specific business processes for each department, ensuring compliance and consistency
- Data loading and calculations are performed electronically, saving time and reducing errors



Key Benefits of Implementing Thermo Scientific Nautilus LIMS

1. *Thermo Scientific Nautilus LIMS provides laboratory workflow flexibility and ease of use for non-IT personnel.*

Nautilus's flexibility and intuitive user interface makes it easy for laboratory personnel to easily configure the LIMS to suite the individual workflows of the labs. Laboratory personnel can add new assays and parameters and staff can implement new protocols without the time and expense of IT involvement.

Nautilus LIMS harmonizes processes between laboratories and improves data quality and control since all information is stored in a central repository and data duplication is avoided.

Nautilus LIMS enhances data analysis and information flow since it creates reports and aids in data extraction (Web/Email), for faster statistical data analysis (DSS). Nautilus LIMS also easily integrates with other systems (CIMS).

2. *Automated data capture and electronic calculations ensure increased laboratory throughput.*

Prior to implementing Nautilus LIMS, manual processes related to data loading and calculations, as well as duplication of efforts created bottlenecks in accessing and analyzing data.

3. *Integration of Nautilus LIMS with other laboratory instrumentations and software created improved workflow and allowed the laboratory personnel to focus on the science.*

- ChemReg (CambridgeSoft) for chemical structures registration

- Prism (GraphPad) for IC50 calculations
- Intranet based reporting system for query and reporting
- Patents management system
- Scientific documentation library
- Hit/lead evaluation workspace (collaboration workspace)
- Instruments integration

4. *Relevant data produced by all R&D areas are now stored in a single repository.*

In the past it was hard to find and search for data since it was stored in several formats and different locations. Now scientists and managers can easily search for most of the information using an intranet based reporting system that queries LIMS and CIMS databases. These reports allow laboratory personnel to make better/faster decisions.

About Thermo Scientific Nautilus LIMS

Count on Thermo Scientific Nautilus LIMS to increase productivity, throughput and accuracy while improving data administration, sample traceability and regulatory compliance. Nautilus LIMS offers ease of use for laboratory personnel without having to rely on IT for implementation and configuration of the LIMS to meet the laboratory's work flow. For laboratories that require a dynamic data management system that's flexible and configurable, Nautilus LIMS sets the standard with unparalleled levels of functionality and reduced Total Cost of Ownership.

For More Information

Visit us on the web at www.thermo.com/informatics or call +1 866 463 6522 (US) or +44 161 942 3000 (Intl).

In addition to these offices, Thermo Fisher Scientific maintains a network of representative organizations throughout the world.

Australia/Asia Pacific

+61 8 8208 8307

China

+86 21 6865 4588

France

+33 160924800

Germany/Eastern Europe

+49 6103 408 0

India

+91 22 67 42 94 34

Latin America and the Caribbean

+1 713 272 4592

Netherlands/Benelux

+31 76 579 5555

Spain/Portugal

+34 916574930

United Kingdom

+44 1619423000

USA/North America

+1 215 964 6020

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