Flexible and modular
Next-generation isolator
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The isolator system, technology developed by Thales and EuroBioConcept within the framework of a contract with the DGA, comprises three transportable isolators that can be projected into remote theatres and deployed in the field for processing and analysing biological samples, such as Class 4 pathogens.

It allows biological samples to be safely transferred between the three modules, which are dedicated to the necessary stages in the analysis process:

- Unpacking / opening of sample containers sent for analysis at Forward Operating Base (FOB)
- Processing of biological samples, using the SAULEIL system
- Identification by genetic analysis, using the EQLIPS ultrafast PCR (polymerase chain reaction) system
- Sealing of waste for elimination, in accordance with regulations on the handling of pathogenic biological agents and any items that may have been in contact with them.

Our isolator systems ensure complete protection for operators and the environment, thanks to their perfectly airtight structure and clever airflow management.

They can be deployed rapidly by non-specialist personnel. And with their high-performance design, maintenance operations are limited and straightforward, with the help of automated controls.

INNOVATION AND BENEFITS

The isolator provides a safe environment for the handling of biological agents and ensures that users are protected from exposure. It comprises a set of flexible and modular enclosures designed to accommodate new solutions developed.

It offers an adequate level of containment for analysis of Class 4 pathogenic agents. It can be deployed in the field inside an air-conditioned tent.

Its modular configuration allows fast deployment in the home country or by projected forces in a remote theatre of operations.

The processed samples can be safely and securely repatriated for confirmation and use as evidence.

USE CASES

Military:
Handling and processing of environmental samples for analysis and identification of biological agents in the theatre of operations (monitoring of large areas or in response to specific allegations).

Civilian:
Handling and processing of biological samples in the event of an epidemic to complement other civilian solutions.