

Fornax Technologies GmbH

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## **Walk-in Sample Store**

### **safe with Fornax**

Walk-in Sample Store is a walkable and temperature controlled storage system for biological samples, reagents etc.

The operating temperature of Walk-in Sample Store depends on the application requirements (operating temperature from +4°C, -20°C, -80°C down to -110°C). A load lock chamber is used for operating temperatures at -80°C or -110°C.

A redundant cooling unit in combination with an optional Emergency cooling unit (LN<sub>2</sub> or CO<sub>2</sub> based), which is activated automatically in a case of power failure, are the basis for an uninterrupted long-term cooling and storage.

Safety arrangements, such as temporary access and camera monitoring, are important features for the users in their daily work into a temperate storage room.

The dimensions (L x W x H) of Walk-in Sample Store depend on the number of samples, the type of sample vessels and the size of the laboratory room.

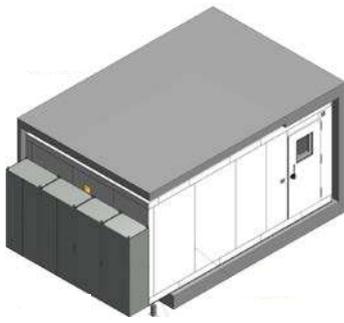
Services, such as IP remote control and 24h telephone hotline based on maintenance contracts, are optional parts of the concept.



Walk-in Sample Store  
general view



View from the  
load lock chamber (-20°C)  
into the  
storage room (-80°C)



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# Walk-in Sample Store designed by Fornax



View into the storage room (-80°C)

Features of Walk-in Sample Store	Benefits for users
<ul style="list-style-type: none"> <li>Redundant cooling units</li> <li>Emergency cooling unit</li> <li>IP camera</li> <li>Temporary and controlled access</li> <li>Load lock chamber at -20°C</li> <li>Low power consumption</li> <li>Cost-effective maintenance</li> <li>Storage racks and shelves</li> <li>Industrial scale production of components</li> <li>No robotics in the storage room</li> </ul>	<ul style="list-style-type: none"> <li>Reliability</li> <li>Reliability</li> <li>Safety for users</li> <li>Safety for users and samples</li> <li>Less stress for samples</li> <li>Low lifecycle costs</li> <li>Low lifecycle costs</li> <li>Safe storage and fast recovery</li> <li>Reliability and long-term stability</li> <li>Reliability, long-term stability, low lifecycle costs and no restriction of sample vessels</li> </ul>

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 Information and design of this document are subject to be changed without notice.

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