



AUCXIS
RFID SOLUTIONS

Condition monitoring with RFID in the biomedical sector



Real-time overview of the location



Information about the state and life cycle



Automatic quality control



Guarantee of authenticity



Quick and correct functioning and inventory

Have you ever considered how the biomedical sector ensures the quality and safety of raw materials, products and samples throughout the entire production and distribution process? RFID is a key technology in this process.

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Accuracy and condition monitoring in the biomedical sector

In the biomedical sector, accuracy is crucial to prevent serious health risks. Ensuring products are in perfect condition and accurately labelled is essential to avoid incorrect treatments.

Strict regulations govern the sector, where deviations can lead to product recalls or other severe consequences. Errors can severely damage consumer trust. Moreover, accuracy errors lead to resource waste. Continuous monitoring with RFID reduces errors and enhances supply chain efficiency, resulting in safer and more reliable practices in the industry.



RFID (Radio Frequency Identification) is used for:

- **Temperature monitoring:** RFID tags help ensure that all products are stored under the right conditions.
- **Traceability:** Each product or sample can be tracked during the production and logistics process, allowing for continuous monitoring of its location and origin.
- **Samplings in laboratories:** RFID can accurately track the movement and condition of samples in laboratories, from collection to disposal.

Condition monitoring can involve the use of RFID loggers: compact devices that store temperature and/or humidity data at configured times or intervals. They include an RFID antenna that enables the wireless configuration of the device and facilitates the transfer of stored data to various types of data readers.

Refrigerators and freezers used for storage can also be equipped with RFID technology. This is essential for effectively monitoring conditions, among which T.O.R. (Time Out of Refrigerator). Additionally, also doors of (refrigerated) storage rooms, loading docks and even forklifts are equipped with RFID scanners for complete tracing.



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Condition monitoring with RFID

Advantages of RFID in the biomedical sector

Efficiency

Automation means faster processing and fewer errors, especially in handling and storing samples.

Safety

Better control over the transportation and storage conditions of biomedical products and samples.

Cost savings

Reduced waste and more efficient stock management thanks to continuous monitoring of product conditions.



Discover our RFID solutions for the pharmaceutical industry and healthcare sector on our website.

What is RFID?



RFID uses radio waves to wirelessly transfer information from an RFID tag to a reader. Passive RFID tags can contain a significant amount of information and do not require a battery to operate. They obtain their energy from the signals emitted by the reader.



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Why choose Aucxis?

- Experienced RFID integrator
- Extensive knowhow
- One supplier, all products, all services
- Own hardware, software development and installation experts
- Numerous realisations in various sectors
- ISO9001 certified company
- Support service 24/7