



# RURO FreezerPro® RFID Kit



“After checking several sample tracking programs, I quickly realized that FreezerPro is clearly the best solution on the market.”

## Affordable, Powerful RFID Solutions

Radio Frequency Identification (RFID) has experienced rapid acceptance as a technology for managing and tracking the location of physical assets and people. As the cost of deploying this technology decreases, and web-based management tools become easier to deploy, organizations will be able to leverage RFID technology to easily, accurately and efficiently monitor and manage their assets from just about anywhere in the world.

An RFID implementation is comprised of the following basic elements:

- RFID tags or badges that emit a unique radio signal
- A tag/badge printer
- An antenna and a receiver to capture radio signals emitted by the RFID badges/tags and interface with management software
- Software for tracking and managing the various content and people associated with the RFID system

## Introducing the FreezerPro RFID Kit

The FreezerPro RFID Kit is the best-of-breed, fully integrated RFID solution for labs of just about any size specializing in the collection and management of frozen samples.

The FreezerPro RFID Kit provides you with a matched set of hardware, software and services designed to ease the introduction of RFID management technology into your lab. Components include:

- FreezerPro Enterprise Edition RFID Software
- 1000 cryo safe RFID labels
- 1 Zebra label printer
- 1 Impinj Speedway Revolution RFID reader
- 2 RFID antennas
- RURO Support Services

Options include:

- 500 large box/plate RFID tags
- Wireless RFID handheld readers
- Zebra RFID barcode printer/coder

“FreezerPro is easy to install, navigate, and use. It is professionally organized and nicely designed.”

## Solution Details

### Powered by FreezerPro Enterprise Software

- A simple, fast, reliable, and secure solution for managing all sample data
- Know precisely where a frozen sample is located even before opening the freezer door
- Automatic alerts for low number of sample aliquots, sample expiration date, sample volume or freeze-thaw count
- Innovative audit and locator modes simplify inventory tasks and locate samples
- Independently validated and certified as fully compliant with current FDA GLP/GMP requirements



### Matched Hardware and Label Media Eases Setup

- Third generation cryo safe labels with built-in RFID tags
- Zebra high resolution printer for label customization
- Impinj Speedway Revolution RFID readers and 4 Impinj RFID antennas enable sample identification in fixed spaces
- Optional - 500 large box/plate RFID tags
- Optional - Wireless RFID handheld readers empower mobile users via Wi-Fi, Bluetooth and cellular network connectivity
- Optional – Enhanced Zebra RFID barcode printer/coder for label identification redundancy

### Optimized Security

- RFID badges enable access control and tracking to freezers and samples
- Interface with security cameras to capture lab activity
- Transparent audit process



### Benefits

- Best-of-breed solution featuring components that are in use today by customers around the world
- We make it easy – fully compatible hardware and software take the guesswork out what to purchase – guesswork out of what to purchase" or "take the guesswork out of the purchase"
- Cost-effective – time consuming tasks, like inventory and audits, can be completed in a fraction of the time they used to take
- Secure – encryption, controlled user access and enhanced lab security ensure data integrity
- RURO support services help you with planning, implementation and rollout



"It [FreezerPro] provides secure role-based access to sample information and, since it is a web-based solution, it allows remote access to samples from any computer."



## System Requirements

FreezerPro is a web-based application that can be accessed by just about any web browser. The software leverages the power of VMware virtualization, which enables it to run on a variety of PC, Mac and Linux systems. Contact RURO for current system requirements.

Network and security integration by a qualified technician is highly recommended.

## About RURO

Headquartered in the heart of Maryland's biotechnology corridor, RURO develops state-of-the-art software that optimizes manageability and productivity for innovative academic, biotechnological, pharmaceutical, medical and government (homeland security) laboratories in the USA and throughout the world.

RURO is a company driven to innovate. With a fervent focus on relevant and novel software technologies that address needs of scientists, RURO strives to be the best at integrating world-class technologies and customer needs into products which have no analogs on the current software market.

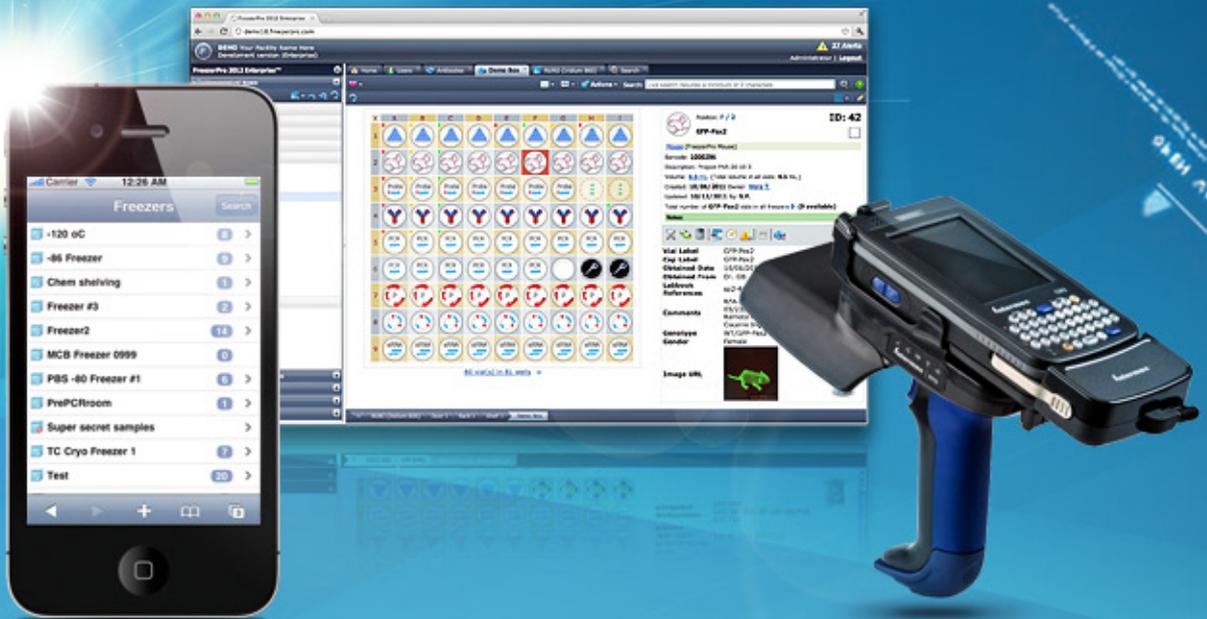
For more information, please visit RURO online at [www.RURO.com](http://www.RURO.com) or call 888.881.RURO (888.881.7876)





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WWW.RURO.COM

# Complete Solution for Sample Tracking for Cryogenic Storage



“After checking several sample tracking programs, I quickly realized that FreezerPro is clearly the best solution on the market.”

## FreezerPro is a class-leading frozen sample management solution that is indispensable to any modern scientific or pharmaceutical laboratory.

FreezerPro is an intuitive, fast, reliable and secure solution which enables users to know precisely where a laboratory sample is located even before opening the freezer door.

 <b>Live Search</b>	 <b>Label Designer</b>	 <b>Virtual Freezers®</b>	 <b>Sample Alerts</b>
Instant search by word or part of the keyword.	Customize labels with any text or sample field on the label	Accurately emulate the configuration of your actual freezers including all doors, shelves, racks, other subdivisions, and boxes.	Be notified about low number of sample aliquots, sample expiration date, sample volume or freeze-thaw cycle count.

### Regulatory Compliance:

- FreezerPro is compliant with the following standards:
- FDA 21 CFR Part 11
- cGLP/cGMP (Good Laboratory Practice and Good Manufacturing Practice)
- Section 508 Accessibility Guidelines
- HIPAA Accountability Act of 1996
- HIPAA Patient Safety and Quality Improvement Act of 2005 (Patient Safety Act)

### FreezerPro® + RFID (RFID Kit):

- Turnkey: our best-of-breed solution featuring components that are in use today at customers around the world
- User experience: fully compatible hardware and software take the guesswork out of what to purchase
- Cost-effective: time consuming tasks like inventory and audits can be completed in a fraction of the time they used to take
- Secure: encryption, controlled user access and enhanced lab security ensure data integrity

# FreezerPro® Install once – access from anywhere!

FreezerPro Standard - Know where your samples are! How many you have left. Be alerted when running low. We offer a well thought out sample inventory system to better manage laboratory samples in your freezers, LN2 tanks and even at the repository.

FreezerPro Enterprise -FreezerPro Enterprise includes all features of FreezerPro Standard and addresses critical security and accessibility issues essential to large-scale frozen sample storage and management.

FreezerPro RFID - A quantum leap in cryolabeling and cryostorage - we are no longer forced to scan an icy barcodes and the entire box can be read in the time that a single vial used to take to scan.

## FreezerPro RFID Kit

FreezerPro RFID Kit is the best-of-breed, fully integrated RFID solution for labs of just about any size specializing in the collection and management of frozen samples.

**The FreezerPro RFID Kit provides you with a matched set of hardware, software and services designed to ease the introduction of RFID management technology into your lab. Components include:**

- FreezerPro Enterprise, RFID edition.
- 1000 cryo safe RFID labels.
- 1 Zebra label printer.
- 1 Impinj Speedway Revolution RFID reader.
- 2 RFID antennas.
- RURO Support Services.



### Options include:

- Larger, long-range box/plate RFID tags
- Wireless RFID handheld readers – Available wireless handheld RFID readers offer connectivity via WiFi, Bluetooth and even cellular networks. New mobile FreezerPro client with “audit mode” for accelerating inventory reporting and an innovative “locator mode” to ease finding sample boxes/plates in storage



# Feature List

Features	Freezer <sup>pro</sup>	Freezer <sup>pro</sup> Enterprise
Truly web-based. Install once, access from anywhere	✓	✓
Complete Sample Management	✓	✓
Track sample in and out of freezers	✓	✓
Graphic display of boxes with samples represented by a variety of colorful icons	✓	✓
Sample Alerts	✓	✓
Easy to follow workflow	✓	✓
Virtual Freezers®	✓	✓
Visual label designer. Customize labels with any text or sample field on the label.	✓	✓
Data Import/Export/Update. Full reporting with HTML, Text, PDF or CSV formats.	✓	✓
Live Search. Instant search by word or part of the keyword.	✓	✓
Smart Search. Live query builder and Smart Folders.	✓	✓
Full Audit Trails	✓	✓
Multi-language support	✓	✓
Mobile devices support	✓	✓
Support for freezer sensors data		✓
Option of restricting user access to certain freezers, shelves, racks, boxes, samples or sample fields.		✓
Shipping Module		✓
SSL data encryption		✓
User authentication via Active Directory Domain Services (LDAP)		✓
Support for customer's provided databases (PostgreSQL, MySQL, Oracle, Microsoft SQL Server)		✓
Application Programming Interface (API)		✓
HIPAA compliance		✓
GLP Mode for strict operations		✓
Hyper-V support on Microsoft Windows Server		✓

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