



INTELLIGENT INVENTORY MANAGEMENT OF CLINICAL SAMPLES AND REAGENTS FROM +4°C TO -196°C

INDUSTRY

Global Pharma - Drug Discovery

DEPARTMENTS

Biology and Chemistry

LOCATION

Europe



The facility required a solution to track inventory of clinical samples, down to the cryovial level, moving into and out of their automated LN2 storage system and -80°C mechanical freezers.

The system also had to support automated tracking of reagents and other sample inventories stored in other -20°C , and 4°C freezers.

Bluechiip's unique advanced sample management solution met the facility's needs, allowing seamless automated updates of sample data and location at the freezer, eliminating manual tracking and logs across all temperatures delivering complete control of critical inventories.





FACILITY'S KEY CHALLENGES

CLINICAL SAMPLE TRACKING AT ULTRA LOW TEMPERATURES

Cryovial level tracking for LN2 and -80°C storage where RFID and other tracking methods had failed

MANUAL TRACKING

Manual spreadsheets were difficult to maintain and provided poor control and traceability

VARIED STORAGE TEMPERATURES

Requirement to centralize inventory management across all temperatures

Lab ID	Blood WBC	Plasma	Remarks
7/11/2021 4049 x			Processed
7/11/2021 4050 x			Processed
7/11/2021 4051 x	x		**** stud
7/11/2021 4052	x		**** stu
7/11/2021 4053 x	x		****
7/11/2021 4054 x	x		****
7/11/2021 4055 x	x		****
7/11/2021 4056 x			
7/11/2021 4057 x			

SAMPLE TYPES

Plasma, Proteins, Cells, Reagents (varied)

STORAGE

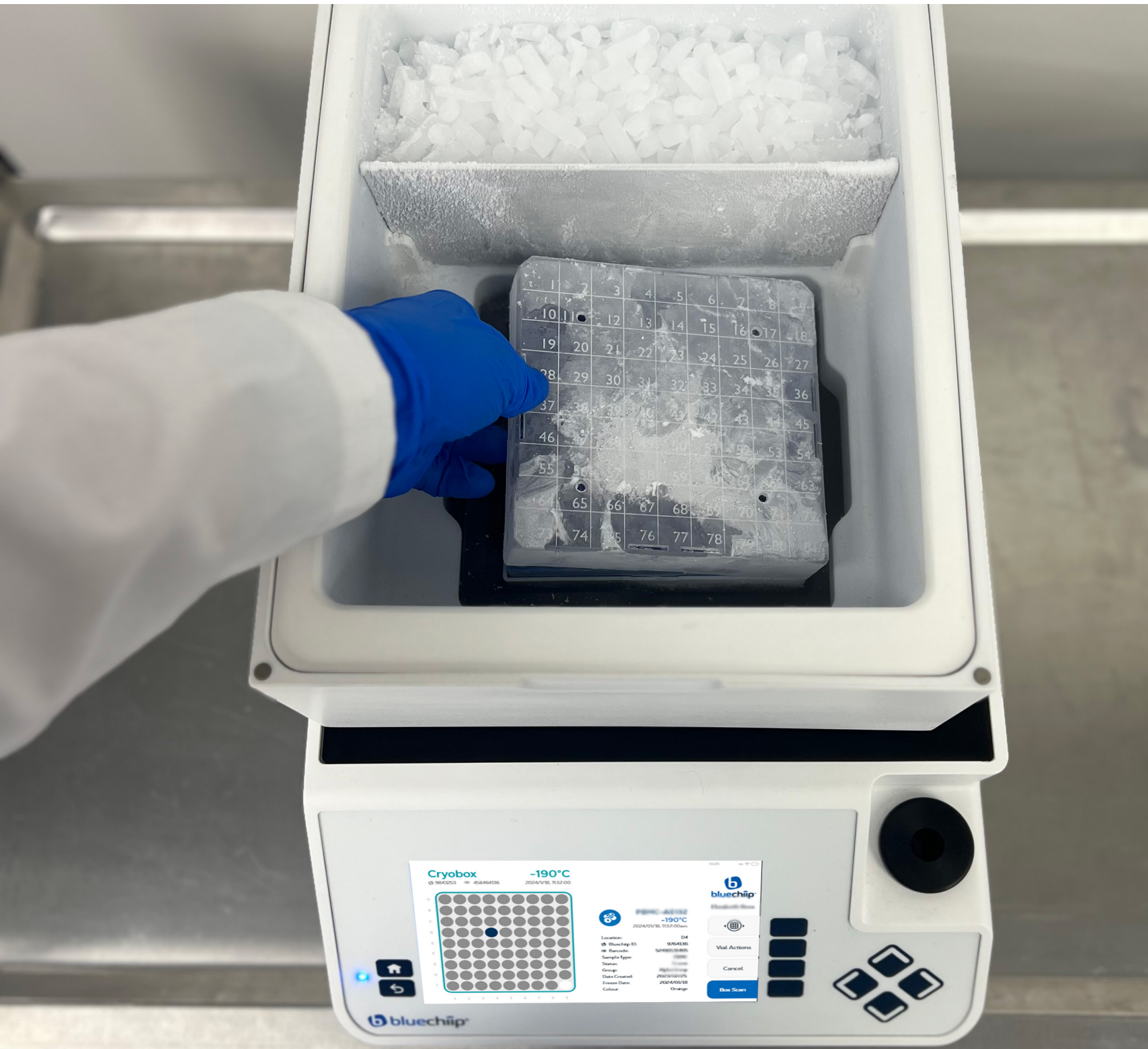
Multiple 4°C, -20°C, -80°C freezers and automated LN2 tank

BACKGROUND

The client is a global pharmaceutical company and leader in pharmaceutical research and development. The facility is located in Europe and plays a major role in drug discovery.



CONFIDENCE
IN EVERY SAMPLE



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IN EVERY SAMPLE



SOLUTION

Bluechip's advanced sample management solution provides the team with reliable clinical sample and reagent inventory management across all temperature ranges.

The Bluechip Workstation, used with Bluechip Enabled Cryovials and Cryoboxes ensure accurate sample level tracking into and out of the laboratory's automated LN2 tank and -80°C freezers.

The Bluechip Handheld Reader and Bluechip Flexi Module maintain accurate tracking of barcoded reagents, streamlining operational activities related to dispensation, archiving and reporting across all temperatures.

KEY BENEFITS

Technology operational at all temperatures down to LN2

Automated data updates through frost and at freezer

Flexibility across multiple sample formats

Ease of implementation - go live in <1 week

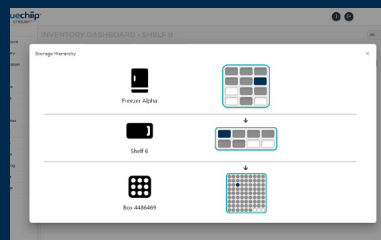
KEY PRODUCTS



Bluechip Enabled Sample Storage



Bluechip Handheld Reader



Bluechip STREAM software



Bluechip Workstation



ADVANCED SAMPLE MANAGEMENT SOLUTION



ABOUT BLUECHIIP

Bluechip, a leader in advanced sample management solutions, understands that every sample is critical. Our objective is to manage each one with optimal quality in the most efficient way. Our range of products and services supports leading laboratories worldwide in clinical research, drug development, and advanced cell and gene therapies.

Bluechip's Advanced Sample Management Solution uniquely offers sample temperature tracking with ID, even in harsh cryogenic environments to drive productivity and redefine quality, delivering confidence in every sample.