



APPLICATION NOTE

# DRAMATIC EFFICIENCIES WITH AUTOMATED BLUECHIP AUDITING

GLOBAL PHARMA - CELL THERAPY  
CRYOGENIC CASSETTE INVENTORY MANAGEMENT

## SUMMARY

The facility needed a complete storage solution for frozen viral vectors stored in cryobags within aluminum cassettes in -80°C freezers.

The previous approach made it difficult to locate samples, with operators sometimes spending hours or days manually searching through the freezers.

Bluechiip’s ability to read enabled cassettes while in ultra-cold freezers and automatically check samples means quarterly inventory audits no longer require multiple people and weeks to complete.

Bluechiip’s unique advanced sample management solution has dramatically simplified the storage of cassettes and racks, providing real-time visibility and control of sample locations, leading to significant efficiency gains in sample retrieval and auditing.

## EFFICIENCIES ACHIEVED WITH BLUECHIIP

### RESOURCE OPTIMIZATION

Bluechiip’s solution reduced the number of people required to complete an audit from three (3) operators to one (1)



### REDUCED TIME

Bluechiip’s solution dramatically reduced the audit time per freezer from 3 days down to 2 hours, freeing up valuable resources

 **from 3 days to 2hrs**

Table 1.  
Inventory audit time saving by number of freezers\*

NO. FREEZERS	TIME SAVED (HRS)
1	280
5	1400
10	5600

\* Calculations based off of a full freezer containing 960 cryogenic cassettes

# 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.