



PRACTICAL INNOVATION

Biозym
SCIENCE IS OUR BUSINESS

Ziath

Cryoprotection™

Eliminates condensation from the Ziath range of 2D barcode scanners

All Ziath 2D barcode scanners are available with a Cryoprotection™ coating, which prevents the build-up of condensation on the under-side of the scanner window.

The occurrence of condensation whilst scanning tubes straight from cryogenic storage is well known. Ziath's proprietary coating completely eliminates the occurrence, and ensures uninterrupted scanning.

No extra electronics

As Ziath's method for eliminating condensation uses a special coating on the scanner window, no extra electrical components are required. This increases reliability and significantly decreases the cost. Additionally, some manufacturers use fans to remove the condensation, which could unnecessarily speed up the thaw-rate of precious samples.



DataPaq™ High Speed scanner
with Cryoprotection™



DataPaq™ High Speed scanner
without Cryoprotection™

Customer quote

"We have used the scanners to check our whole compound library and the anti condensation coating meant that we could take plates straight from the freezer to the scanner without any problems."

Jenifer Borgognoni, Vernalis plc

Features

- Eliminates condensation - suitable for cryogenically frozen tubes
- Allows uninterrupted scanning of tubes
- No extra electronics - unique solution to a common problem
- No risk of thawing precious samples
- Inexpensive option on all Ziath 2D barcode readers
- Available off-the-shelf
- Durable construction - 2 year guarantee
- Ziath's expertise and support come as standard

**Scanner Tests**

Tests were performed on all our 2D barcode scanners to show the efficiency of the Cryoprotection™. Cryogenically frozen tubes were taken straight from the freezer and

scanned, using the Ziath DataPac™ 2D barcode scanners with and without Cryoprotection™. The results are shown in the images, below.

DataPac™ Single Tube Scanner

Cryogenically frozen tube scanned.



After repeated scanning, no condensation forms.

ZIATH'S CRYOPROTECTION™ SOLUTION WORKS

DataPac™ High Speed Rack Scanner

Racked cryogenically frozen tubes are scanned.



Without Cryoprotection™.
Visible condensation.



With Cryoprotection™.
No condensation forms.

ZIATH'S CRYOPROTECTION™ SOLUTION WORKS

DataPac™ Deep Focus Rack Scanner

Racked cryogenically frozen tubes are scanned.



Without Cryoprotection™.
Visible condensation.



With Cryoprotection™.
No condensation forms.

ZIATH'S CRYOPROTECTION™ SOLUTION WORKS

Tests were also performed on our DataPac™ Multi-Rack Scanner, with similar results.

In repeated tests, we showed our Cryoprotection™ solution works.

For more information, including video footage of the tests performed, please see our website or contact us on the numbers or email address given below.