



PRACTICAL INNOVATION

Ziath

CryzoTraq™ 2D Barcoded Cryovials



- Internally or externally threaded caps
- 2D barcode on base of tube
- Linear barcode and human readable code printed on side
- Innovative 2-stage injection moulding of cap produces a leak-free seal
- 81-place or 100-place cryoboxes
- 2D barcode on base of cryobox for automatic orientation recognition
- CryzoTraq™ cryogenic vials available in 2ml or 5ml volumes

Ziath's range of CryzoTraq™ cryogenic vials are designed for cryogenic storage of biological specimens at temperatures as low as -196°C. The range features outstanding leak resistance with a compression ring moulded into the screw cap. The tubes are available in 2ml or 5ml volumes with an internally or externally threaded cap.

All CryzoTraq™ tubes have a 2D datamatrix barcode inserted in the base of the tube. The insert is secured in place by the use of ultrasound to weld it into place meaning it is completely secure and will not fall out at low temperatures. During the manufacturing process, the linear barcode is printed onto the side of the tube first, and the 2D code is automatically generated from the linear barcode therefore ensuring the two barcodes will always be the same with no errors.



Ziath DataPaq™ Multirack 2D Barcode Scanner

The 2D barcoded CryzoTraq™ cryogenic vials can be de-coded using Ziath's DataPaq™ Multirack scanner. With various options for rack configurations, the DataPaq™ Multirack scanner quickly decodes the 2D barcodes.



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CryoTraq™: 2D Barcoded Cryogenic Vials

Features and Benefits



Innovative 2-stage injection moulding of cap:

- Leak-free
- Superior seal for liquid nitrogen storage
- Prevents contamination
- Excellent grip

Clear printing and excellent clarity of the tube make the sample easy to see

Free-standing base with locking system



Printed with a linear barcode (code 128) on each tube.



The screw-cap design is suitable for use with an automatic decapper.



The 2D code is automatically generated from the linear barcode during the manufacturing process

Quality & Certification

Our vials are manufactured in accordance with ISO 13485:2003, in compliance with ISO 14644 and 14698 (Federal Standard 209) and in a Class 7 cleanroom (Class 10,000). The vials are certified free from DNA, DNase, RNase, pyrogens and ATP. Each lot is sterilised with beta radiation. Our tubes are manufactured from medical grade polypropylene and the caps from medical grade polyethylene.

ADVISORY: CryoTraq™ vials are recommended for use in vapour phase liquid nitrogen.

info@ziath.com



External Thread Cap

Ordering Information

Code	Description	Quantity
ZTS-2ECT	CryoTraq™ 2ml 2D Barcoded Cryogenic Vial, External Thread	10x50
ZTS-5ECT	CryoTraq™ 5ml 2D Barcoded Cryogenic Vial, External Thread	10x50



See the next page for ordering details of our 81-place and 100-place cryoracks.

They are standard size making them suitable for most types of cryo-racking.

Internal Thread Cap

Ordering Information

Code	Description	Quantity
ZTS-2ICT	CryoTraq™ 2ml 2D Barcoded Cryogenic Vial, Internal Thread	10x50
ZTS-5ICT	CryoTraq™ 5ml 2D Barcoded Cryogenic Vial, Internal Thread	10x50



Our internally threaded CryoTraq™ tubes can be stored in our 100-place cryobox.

See the next page for ordering details and further information.



The CryzoTraq™ range includes polycarbonate boxes for storage of the CryzoTraq™ tubes. They are available in 81 or 100 place boxes. These durable cryogenic storage boxes are designed to be used at temperatures between -196°C and +121°C (i.e. suitable for autoclaving). A transparent cover with numbering allows the user to see the contents of the box, and is keyed to the base to prevent misalignment. The 81 place has a coloured grid, whilst the 100 place box has a pegged base to maximise space. Four colours are available: blue, red, green and yellow.



The base of each cryogenic box has a 2D barcode laser etched on to the base. This is used when scanning the tubes, as the Ziath DataPaq™ 2D barcode scanning software uses this extra 2D barcode to determine the orientation of the rack on the scanner bed.

Ordering Information

Code	Description	Quantity
ZTS-81LB5CTX	CryzoTraq™ Box, 81 place for 2ml 2D Tube	5 boxes
ZTS-81HB4CTX	CryzoTraq™ Box, 81 place for 5ml 2D Tube	4 boxes
ZTS-100LB5CTS	CryzoTraq™ Box, 100 place for 2ml 2D Tube	5 boxes
ZTS-100HB4CTS	CryzoTraq™ Box, 100 place for 5ml 2D Tube	4 boxes
ZTS-1B100VP	Vial Picker for CryzoTraq™ Tubes	100 pickers

For the CryzoTraq™ Boxes, replace "X" with the correct letter for the colour you require, where:
R=Red, Y= Yellow, G=Green, and B=Blue