

AlteTube™

Superior quality 2D barcoded tubes
to assist sample identification

The founders of AltemisLab have been working with 2D barcoded tubes since 2000, when this technology was first used by pharmaceutical companies for compound storage.

Using our knowledge and experience we have set out to perfect 2D tube design and we are proud to introduce our AlteTube™ range of sample storage tubes.

Whatever your need, if you have a new sample storage requirement or if you are considering an automated system, we have the sample tube solution for you.

Transforming lab technique



High quality 2D barcoded tubes to assist sample identification

Quality checked

Every tube meets our exacting standards for readability. Every barcode is checked to guarantee uniqueness across the AlteTube™ range.

Razor-sharp clarity

Precise design and manufacturing ensure all tubes and rack lids have exceptional transparency.

Product development

Creating new and custom product solutions to meet future demands.

Purity assurance

Clean room production. All tubes are manufactured from medical grade virgin polypropylene and certified DNA, RNA, DNase, RNase, Endotoxin (Pyrogen) free.

Additive free

AlteTube™ products and packaging components are certified free from heavy metals, phthalates, latex, and Bisphenol A.

Quality management

Our manufacturing facility is ISO 9001:2015 and ISO 14001:2015 accredited.

AlteTube™

2D DataMatrix barcodes adhere to the ECC200 standard



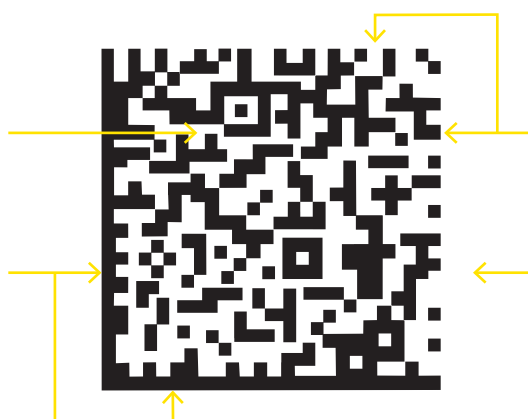
Anatomy of a 2D DataMatrix barcode

Modules

Black and white squares represent the data.

Finder bars

L-shaped frame that locates the code.



Clock pattern

Dotted lines enable decoding of the pattern.

Quiet zone

Prevents any visual interference.

Code recovery built into ECC200

Reed-Solomon error correction reconstructs and verifies data for improved accuracy. DataMatrix codes can still be decoded if damaged by 30%.

Benefits of 2D DataMatrix barcodes

- Never misreads or reports a wrong number.
- Readable at contrast levels as low as 20%.
- Significantly smaller compared to 1D barcodes.

Ensure sample safety with AlteTubes™

The correct size and purity level of your sample storage consumables is critical for protecting the integrity of your samples. The AltemisLab team is happy to advise and help you make an informed decision on which tube size and purity level is correct for your samples and workflow.

What is the difference between AlteClean™ and AlteClean™ Sterile products?

AlteClean™

Manufactured in a clean room environment and certified free of non-viable biologics. AlteClean consumables exhibit no detectable DNA, RNA, DNase, RNase, or endotoxins.

AlteClean™ Sterile

We use E-beam sterilisation which inactivates microorganisms either by causing microbial death as a direct effect of the destruction of a vital molecule or by an indirect chemical reaction. This is done in addition to AlteClean™.



Purity level guidance by application

AlteClean™		AlteClean™ Sterile
DNA & RNA sequencing	Molecular Biology	Cell Culture
Genomics	Gene Therapy	Microbiology
Proteomics	Biotherapeutics	Plant or Animal derived products

Consideration of the sample volume, sample type and storage conditions are key when choosing the correct tube size

Samples with a high-water content, including biological samples, increase in volume as they freeze. This expansion should be accounted for when selecting sample tubes. Our recommended maximum sample working volume for each tube size can be found on the tube specification pages and we provide tube samples for your own in-house verification.