



## SUPERIOR FEATURES OF MICRONIC TUBES WITH EXTERNAL THREAD HYBRID

### UNIQUELY COMBINING 4 CODING CONCEPTS

- 1 White blank surface to write or laser your own ID
- 2 Numeric human-readable on the tube side wall
- 3 1D Barcode on the tube side wall
- 4 2D Data-Matrix code on the tube bottom

### AUTOMATED AND VISUAL SAMPLE IDENTIFICATION

The Micronic tubes with external thread hybrid uniquely combine automated and visual sample identification. The visual codes allow researchers to quickly identify samples or verify codes during the storage/retrieval process or field research. The transparent parts of the tube wall enable easy visual checking of the sample. The 1D and 2D barcode can be read by automated systems.

### ENSURING ABSOLUTE TRACEABILITY

The bottom code surface of the tubes features a raised edge, which protects the 2D Data-Matrix code against accidental scratches. Due to the unique injection molding technique used to manufacture the hybrid tubes, the white bottom and side walls cannot be separated from the transparent tube. The high contrast 1D, 2D and human-readable codes are permanently laser-etched into the white surfaces, so that they can never wear or fall off.



### OPTIMIZING SEALING QUALITY

The triple screw thread of the hybrid tubes gives an excellent closure for long-term sample preservation and storage at ultra-low temperatures. To prevent the screw cap from overturning - manually or mechanically - the cap is designed with a unique lock when sealed. The cap is available in six different colors.

### AUTOMATION COMPATIBILITY

The tubes are compatible with the Micronic Ultra-Low Temperature Rack Range in the industry standard ANSI/SLAS format. The racks feature a laser-etched 1D barcode, alphanumeric coding on top, and a 'twist-lock' to prevent tubes from turning during (de)capping.

### AVAILABILITY & PRODUCTION SPECIFICATIONS

Micronic tubes with external thread hybrid are standard available in bulk and rack. Moreover, the tubes are available with and without coding on the side walls. All Micronic labware is manufactured in a certified Class 7 clean room production environment. The products are RNase/DNase and Pyrogen free, following strict industry requirements.

## SAMPLE STORAGE WORKFLOW CHART

