

NEW: Amber and LoBind®



# The Next Level

Differentiation through Uniqueness – Eppendorf Conical Tubes 25 mL with smart functionalities for precision and reproducibility

# Discover Our Tube Format 25 mL Tailored to Your Needs

**With the Eppendorf Conical Tubes 25 mL, we take the field of conical tubes to the next level.**

When sample volumes higher than 15 mL, but much lower than 50 mL, must be prepared, centrifuged, mixed, or stored, researchers often have no choice but to use traditional conical screw cap tubes with a volume of either 15 mL or 50 mL. This dilemma is now resolved by the Eppendorf Conical Tubes 25 mL with either screw cap or innovative SnapTec® cap.

Premium raw materials, without the use of plasticizers, and biocides during manufacturing support the highest sample integrity. High g-Safe® centrifugation stability up to 17,000 × g\*, lid tightness from -86 °C up to 100 °C\* as well as optimal sample and pellet visibility are assured.

**Lower height – improved handling**

- > ~20% lower height compared to 15 mL / 50 mL conical tubes helps prevent contamination and allows easy recovery of sample solutions
- > Saves storage space: 3.5 inch boxes and freezer racks can be used instead of the 5 inch formats required for 15 and 50 mL conicals

**Directly implementable**

- > Same diameter as 50 mL conical tubes ensures straightforward integration into existing laboratory environment
- > Ensures tightness of seal from -86 °C up to 100 °C\*
- > Centrifugation stability up to 17,000 × g\*

**Innovative SnapTec® cap**

- > Reliable snap cap for conical tubes
- > Protected by two technical patents
- > The SnapTec tube is autoclavable\*



\* Please note the instructions for use for details (www.eppendorf.com/manuals):  
 »Eppendorf Conical Tubes 25 mL, snap cap« and  
 »Eppendorf Conical Tubes 15, 25 and 50 mL«

**Single-handed operation**

- > Supports optimized and quicker handling of sample solutions, especially in multistep protocols



> More information about 25 mL tubes?  
 Click or scan to follow: [www.eppendorf.com/25mL](http://www.eppendorf.com/25mL)

## Sterile and light protective

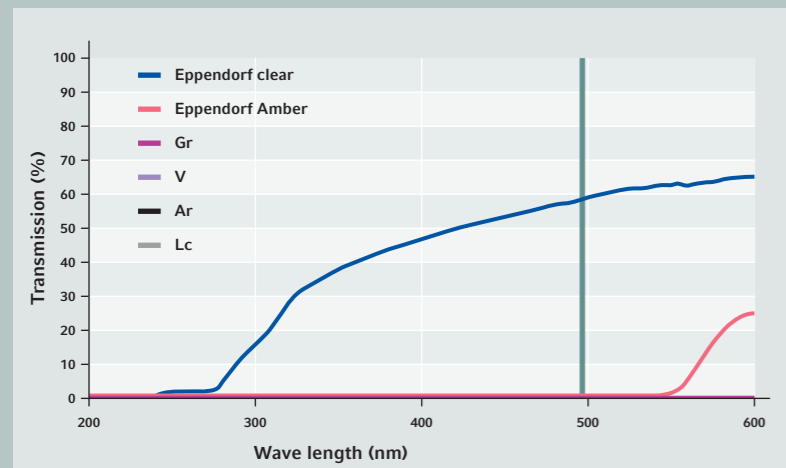
## Light Protection as well as Transparency

Handling and storage of light-sensitive reagents or samples is commonly performed in amber-colored tubes. Amber color reduces or completely blocks light transmission in the short wavelength UV/VIS spectrum range. While providing good sample protection, the majority of amber tubes have a major drawback: they are opaque and do not allow direct sample visibility. This lack of visual control, however, is a source of contamination when handling light-sensitive solutions in non-transparent conical tubes.

The innovative amber colored material composition newly developed by Eppendorf, offers much better visibility of the filling level inside of Eppendorf Conical Tube 25 mL. This enables users to fully control the insertion depths of pipette tips. And the good news is: sample solutions are reliably protected from energy-rich light in the lower wavelength range.



The diagram shows a comparison of the transmission spectra (percentage of light transmission at different wave lengths) of amber conical tubes.



**Figure 3:** Transmission spectra (transmission percentage as a function of wave length) of amber conical tubes. The fluorescein excitation ( $\lambda_{ex}$ ) maximum is depicted as a solid black line.

**Application Tip!** You can learn more in our Application Note 403 »Eppendorf Amber Conical Tubes. Maximal Sample Protection and Visibility«. In this Application Note, the authors investigated both sample light protection (fluorescein recovery assay) and sample visibility (transmission spectrum) of several amber conical tubes.

[www.eppendorf.com/appnote403](http://www.eppendorf.com/appnote403)



**How it works**  
Maximum Light Protection  
with Eppendorf Amber Tubes

> 3D Animation, How it works –  
Maximum Light Protection with  
Eppendorf Amber Tubes  
[www.eppendorf.com/3d-amber](http://www.eppendorf.com/3d-amber)



## Protein LoBind®

## Get the Most out of Your Protein Applications

Protein preparation and storage represent critical steps in a wide range of laboratory applications. Unspecific adsorption of protein molecules or peptides to the polymer surface of lab consumables can significantly contribute to sample loss and can artificially affect experimental results.

Eppendorf Protein LoBind® Conical Tubes 25 mL are specifically designed for use in applications where protein concentrations tend to be small and sample recovery is vital for assay results. A special, two-component polymer mix creates a hydrophilic surface that guarantees optimal recovery rates for valuable samples. This leads to more stable protein concentrations and, in turn, more reproducible and reliable experimental results.



## DNA LoBind®

## Maximum Recovery of Nucleic Acids

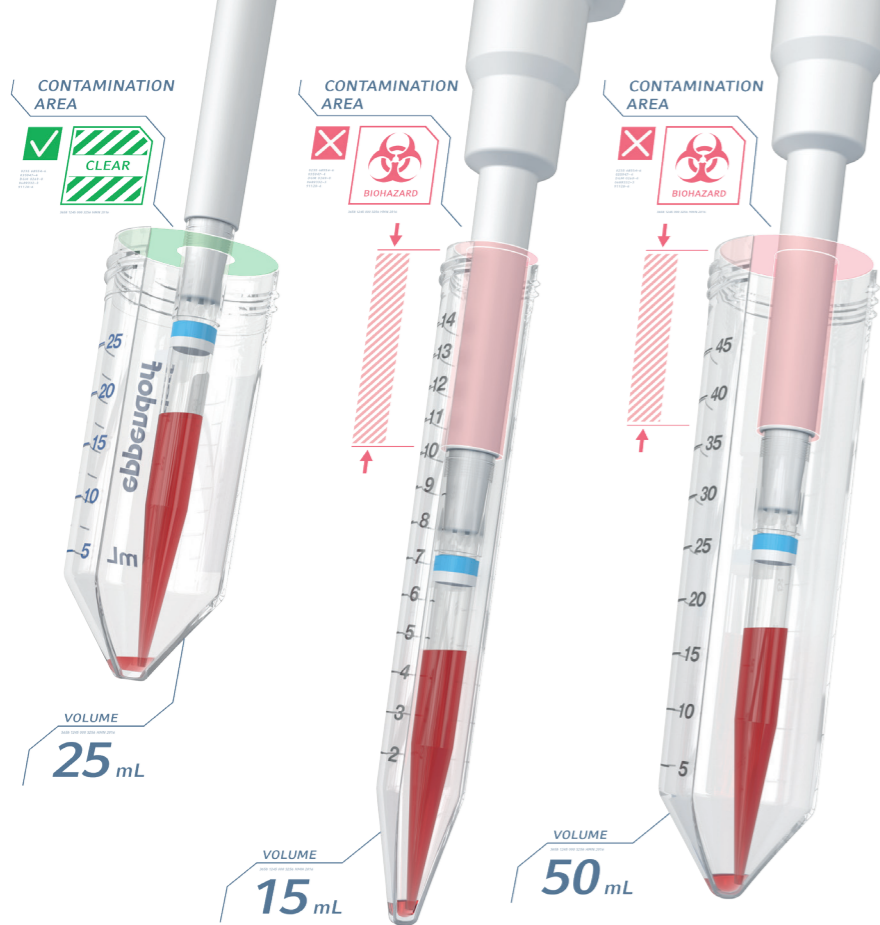
Especially when dealing with low concentrations of nucleic acids, sample adsorption to inner surfaces of vessels cannot be ignored. For example, in workflows including preparation and setup of PCR applications, loss of DNA on vessel surfaces can affect the performance of individual processing steps and can lead to misinterpretation of results.

Eppendorf LoBind® Conical Tubes 25 mL maximize sample recovery of nucleic acids by significantly reducing sample-to-surface binding. They represent the ideal solution for preparing and storing samples containing low amounts of DNA. To minimize the risk of sample interference, the DNA LoBind properties are achieved without surface coating.



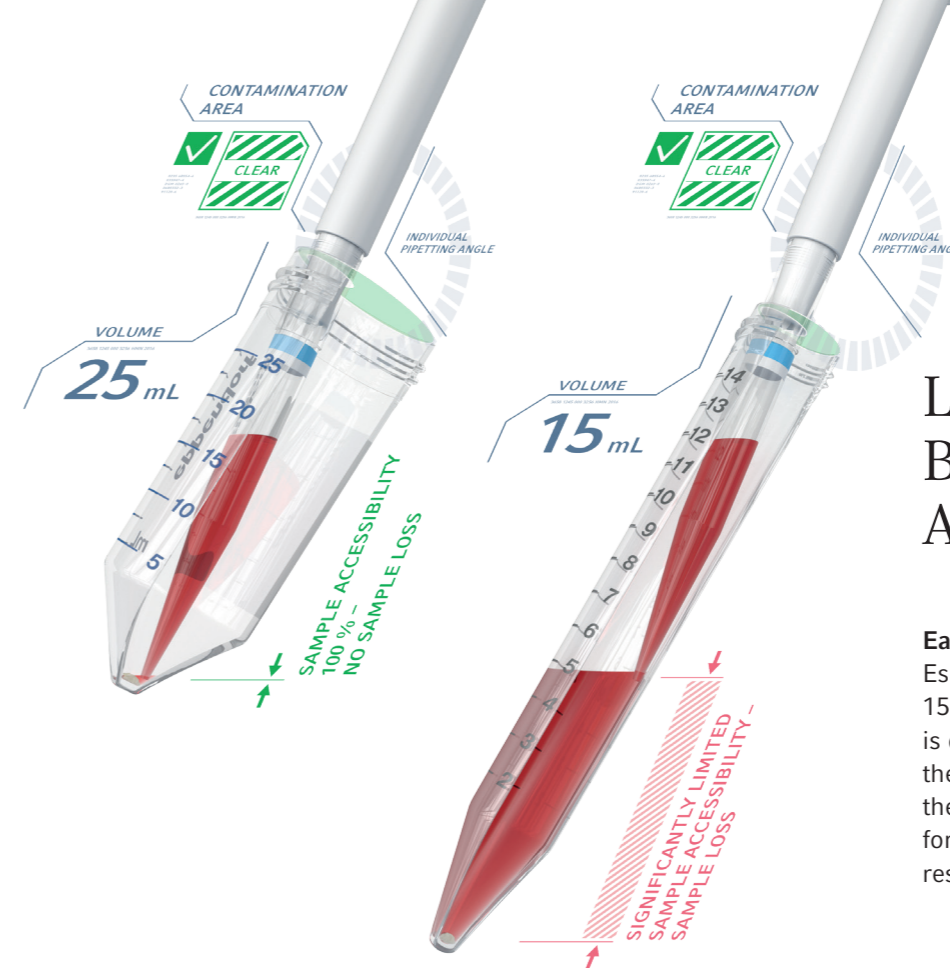
> 3D Animation, How it works – Eppendorf LoBind®  
[www.eppendorf.com/3d-lobind](http://www.eppendorf.com/3d-lobind)





## Reduced Risk of Contamination

**Lower height – improved safety**  
Thanks to the approximately 20 % lower tube height, the insertion depth of the pipette into the tube is much shorter compared to 15 mL or 50 mL conical tubes. The possibility of the pipette cone touching the inner wall of the tube and the risk of cross contamination between the tube and the pipetting system are thus reduced to a minimum.



## Lower Height – Better Sample Availability

**Easy access to low volumes**  
Especially when working with volumes between 15 mL and 50 mL, recovery of the entire sample is often not possible. With the same diameter as the 50 mL conical tube and a lower height than the 15 mL and 50 mL conical tubes, this tube format facilitates easy sample access and faster resuspension of pellets after centrifugation.

## Single-Handed Operation

### Reliable opening and closing with innovative SnapTec cap

The snap cap version of the 25 mL conical tube allows single-handed opening and closing for quick liquid extraction or addition. This patented lid solution is unique within the conical tubes market. It optimizes and accelerates handling of sample solutions, especially in multi-step protocols.



## Space-Saving Storage

### Flexible and stable

The modular concept of Eppendorf Storage Boxes for tubes has been complemented by the 25 mL version, with outer footprint dimensions of 133 mm, for compatibility with common freezer rack systems. Lower height allows space saving storage of up to 9 x 25 mL tubes. Autoclavable for sterilization. The transparent lid allows quick and easy sample inspection.



## Ordering information

Description	Order no.
<b>Eppendorf Conical Tubes 25 mL with SnapTec® cap</b>	
Eppendorf Quality, colorless, 200 tubes, (5 bags × 40 tubes)	0030 118 405
PCR clean, colorless, 200 tubes, (5 bags × 40 tubes)	0030 118 413
PCR clean, Starter Pack, 200 tubes, 4 single tube stands, 6 centrifugation adapters	0030 118 502
Sterile, pyrogen-, DNase-, RNase-, human and bacterial DNA-free, colorless, 150 tubes, (6 bags × 25 tubes)	0030 118 421
DNA LoBind®, PCR clean, 200 pcs., 5 bags of 40 Tubes each	0030 108 523
Protein LoBind®, PCR clean, 200 pcs., 5 bags of 40 Tubes each	0030 108 531
Amber (light protection), sterile, pyrogen-, DNase-, RNase- and DNA-free, 150 pcs., 6 bags of 25 Tubes each	0030 118 430
<b>Eppendorf Conical Tubes 25 mL with screw cap</b>	
Eppendorf Quality, colorless, 200 tubes, (4 bags × 50 tubes)	0030 122 410
PCR clean, colorless, 200 tubes, (4 bags × 50 tubes)	0030 122 429
PCR clean, Starter Pack, 200 tubes, 4 single tube stands, 6 centrifugation adapters	0030 122 500
Sterile, pyrogen-, DNase-, RNase-, human and bacterial DNA-free, colorless, 200 tubes, (8 bags × 25 tubes)	0030 122 437
DNA LoBind®, PCR clean, 200 pcs., 4 bags of 50 Tubes each	0030 122 275
Protein LoBind®, PCR clean, 200 pcs., 4 bags of 50 Tubes each	0030 122 283
Amber (light protection), sterile, pyrogen-, DNase-, RNase- and DNA-free, 200 pcs., 8 bags of 25 Tubes each	0030 122 445

## Centrifugation

### Centrifuges with rotors for 50 mL conical tubes:

Two adapter variants for 25 mL tubes snap cap (Order no.: 5820 733 004) and screw cap (Order no.: 5820 734 000) allow centrifugation in buckets



## Heating and Mixing

### Eppendorf ThermoMixer® C and Eppendorf ThermoStat C:

Adapter for 25 mL tubes ensures compatibility with Eppendorf SmartBlock 50 mL (Order no.: 5365 000 109)



### MixMate®:

Tube Holder 25/50 mL, for 4 × 25/50 mL conical tubes (Order no.: 5353 040 156)



## Sample Storage

### Single Tube Stand:

Ideally suited for weighing samples on the balance and for handling individual samples. The viewing slit enables observation of the filling level at any time. (Order no.: 0030 119 860)

### Tube Rack 25 mL:

Eppendorf Racks for 50 mL conical tubes can be used with the 25 mL tubes (Order no.: 0030 119 835)

### Storage box made of polypropylene:

Lower height allows space-saving storage of up to 9 × 25 mL tubes in 3.5 inch Eppendorf Storage Boxes (Order no.: 0030 140 729)

Your local distributor: [www.eppendorf.com/contact](http://www.eppendorf.com/contact)  
Eppendorf SE · Barkhausenweg 1 · 22339 Hamburg · Germany  
[eppendorf@eppendorf.com](mailto:eppendorf@eppendorf.com) · [www.eppendorf.com](http://www.eppendorf.com)

[www.eppendorf.com/25mL](http://www.eppendorf.com/25mL)