

**eppendorf**

Now also in  
Eppendorf LoBind®



# Conical Competence

Eppendorf Conical Tubes 15 mL and 50 mL

# The Eppendorf Tubes® – Best Performance for Your Samples

The Eppendorf Conical Tubes 15 mL and 50 mL extend the volume range of Eppendorf's microcentrifuge tubes. As a premium standard, they provide life science laboratories with the same outstanding performance for which Eppendorf Tubes are globally recognized as a premium standard.

Safe design and easy handling ensure best sample processing. The Eppendorf Conical Tubes 15 mL and 50 mL are the optimal solution for cell culture and cell biology applications as well as for sample preparation protocols in microbiology and molecular biology laboratories.



Sterile and/or DNA-free

## Smart Design Meets Application Needs

The newly designed screw caps provide tightest optimal sealing. In addition, their grooved and angular shape ensures a secure, slip-free grip. The tubes can be opened and closed safely with one hand and have extraordinarily high centrifugation stability.

A comprehensive approach not only considers factors relevant to production and application, but also aspects related to handling in the lab including packaging. Depending on the purity grade required, the best suited packaging variant can be selected: re-sealable bags prevent stored tubes from contamination, conical tubes in stable polypropylene racks enable user-friendly and immediate start of work and individually packaged tubes are available for cleanest work with nucleic acids.



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 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.



**Sterile and light protective**

## Light Protection as well as Transparency

The new tube material combines effective protection of your light-sensitive samples with a high degree of transparency. Even though this innovative amber material composition offers much better visibility of the filling level inside the tube, Eppendorf Conical Tubes reliably protect sample solutions from energy-rich light in the lower wavelength range.

This enables users to fully control the insertion depths of pipette tips. This often represents a source of contamination when handling solutions in non-transparent, long tube formats such as 15 and 50 mL conical tubes.

**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.

DNA LoBind Conical Tubes 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.





**Cap with flattened and grooved sides**

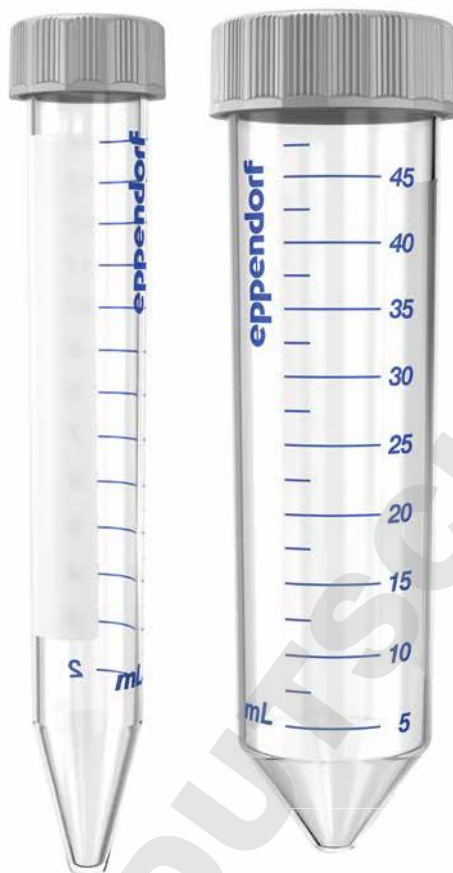
- > supports user-friendly ergonomic handling
- > enables stable upright positioning
- > minimizes contamination risk

**Reliable and safe labelling**

- > due to a large writing area on the tube and due to a flat and light-colored cap

**Precise dimensions**

- > enable maximum compatibility with centrifuge rotors, mixers and shakers



**No use of slip agents, plasticizers, and biocides during manufacturing ensure**

- > highest sample integrity
- > high g-Safe® centrifugation stability
- > optimal sample and pellet visibility

**Certified purity**

- > depending on application demands, different purity grades are available, e.g. sterile products for cell biology
- > each individual lot is certified for quality and purity



Whether centrifugation, mixing, or other applications – the Eppendorf Conical Tubes 15 mL and 50 mL will perfectly fit into your workflows. They represent the next step in Eppendorf's comprehensive system solutions in liquid, sample and cell handling.

#### Technical specifications

|                                      | Eppendorf Conical Tubes 15 mL                                                      | Eppendorf Conical Tubes 50 mL |
|--------------------------------------|------------------------------------------------------------------------------------|-------------------------------|
| <b>Material: Tube / Screw cap</b>    | Polypropylene/High-density-Polyethylene (HDPE)                                     |                               |
| <b>Dimensions: Height / Diameter</b> | 121 mm / 17 mm                                                                     | 116 mm / 30 mm                |
| <b>Operating temperature</b>         | -86 °C–100 °C                                                                      | -86 °C–100 °C                 |
| <b>Centrifugation stability</b>      | up to 19,500 × g*                                                                  | up to 19,500 × g*             |
| <b>Certified purity level</b>        | sterile, pyrogen-, DNase-, RNase-, and DNA-free or PCR clean or Forensic DNA Grade |                               |

\* Test conditions: Rotor FA-45-6-30 in Eppendorf Centrifuge 5810 R (using a suitable centrifuge adapter for 15 mL tube), sample: Saline solution (density: 1.0 g/mL), controlled centrifugation temp.: 25 °C, centrifugation time: 90 min

## Ordering information

| Description                                                                                                                                                     | International Order no. | North America Order no. |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-------------------------|
| <b>Eppendorf Conical Tubes, 15 mL, Sterile</b> , pyrogen-, DNase-, RNase-, and DNA-free, 500 tubes (10 bags x 50 tubes)                                         | 0030 122.151            | 0030122151              |
| <b>Eppendorf Conical Tubes, 15 mL, Sterile</b> , pyrogen-, DNase-, RNase-, human and bacterial DNA-free, colorless, 500 tubes (20 racks x 25 tubes)             | 0030 122.160            | 0030122160              |
| <b>Eppendorf Conical Tubes, 15 mL, Forensic DNA Grade</b> , colorless, 100 tubes, individually wrapped                                                          | 0030 122.259            | 0030122259              |
| <b>Protein LoBind Conical Tubes, 15 mL, PCR clean</b> , colorless, 200 tubes (4 bags x 50 tubes)                                                                | 0030 122.216            | 0030122216              |
| <b>DNA LoBind Conical Tubes, 15 mL, PCR clean</b> , colorless, 200 tubes (4 bags x 50 tubes)                                                                    | 0030 122.208            | 0030122208              |
| <b>Eppendorf Conical Tubes, 15 mL, Sterile</b> , pyrogen-, DNase-, RNase-, human and bacterial DNA-free, amber (light protection) 200 tubes (4 bags x 50 tubes) | 0030 122.194            | 0030122194              |
| <b>Eppendorf Conical Tubes, 50 mL, Sterile</b> , pyrogen-, DNase-, RNase-, and DNA-free, 500 tubes (20 bags x 25 tubes)                                         | 0030 122.178            | 0030122178              |
| <b>Eppendorf Conical Tubes, 50 mL, Sterile</b> , pyrogen-, DNase-, RNase-, human and bacterial DNA-free, colorless, 300 tubes (12 racks x 25 tubes)             | 0030 122.186            | 0030122186              |
| <b>Eppendorf Conical Tubes, 50 mL, Forensic DNA Grade</b> , colorless, 48 tubes, individually wrapped                                                           | 0030 122.267            | 0030122267              |
| <b>Protein LoBind Conical Tubes, 50 mL, PCR clean</b> , colorless, 200 tubes (4 bags x 50 tubes)                                                                | 0030 122.240            | 0030122240              |
| <b>DNA LoBind Conical Tubes, 50 mL, PCR clean</b> , colorless, 200 tubes (4 bags x 50 tubes)                                                                    | 0030 122.232            | 0030122232              |
| <b>Eppendorf Conical Tubes, 50 mL, Sterile</b> , pyrogen-, DNase-, RNase-, human and bacterial DNA-free, amber (light protection) 200 tubes (4 bags x 50 tubes) | 0030 122.224            | 0030122224              |
| <b>Eppendorf Tubes®: 0.5 mL – 5.0 mL</b>                                                                                                                        |                         |                         |
| <b>Eppendorf Safe-Lock Tubes, 0.5 mL, Eppendorf Quality™</b> , colorless, 500 tubes* <sup>1</sup>                                                               | 0030 121.023            | 022363611               |
| <b>Protein LoBind Tubes, 0.5 mL, PCR clean</b> , 100 tubes (2 bags x 50 tubes)                                                                                  | 0030 108.094            | 022431064               |
| <b>DNA LoBind Tubes, 0.5 mL, PCR clean</b> , 250 tubes (5 bags x 50 tubes)                                                                                      | 0030 108.035            | 022431005               |
| <b>Eppendorf Safe-Lock Tubes, 1.5 mL, Eppendorf Quality™</b> , colorless, 1000 tubes* <sup>1</sup>                                                              | 0030 120.086            |                         |
| <b>Eppendorf Safe-Lock Tubes, 1.5 mL, Eppendorf Quality™</b> , colorless, 500 tubes* <sup>1</sup>                                                               |                         | 022363204               |
| <b>Protein LoBind Tubes, 1.5 mL, PCR clean</b> , 100 tubes (2 bags x 50 tubes)                                                                                  | 0030 108.116            | 022431081               |
| <b>DNA LoBind Tubes, 1.5 mL, PCR clean</b> , 250 tubes (5 bags x 50 tubes)                                                                                      | 0030 108.051            | 022431021               |
| <b>Eppendorf Safe-Lock Tubes, 2.0 mL, Eppendorf Quality™</b> , colorless, 1000 tubes* <sup>1</sup>                                                              | 0030 120.094            |                         |
| <b>Eppendorf Safe-Lock Tubes, 2.0 mL, Eppendorf Quality™</b> , colorless, 500 tubes* <sup>1</sup>                                                               |                         | 022363352               |
| <b>Protein LoBind Tubes, 2.0 mL, PCR clean</b> , 100 tubes (2 bags x 50 tubes)                                                                                  | 0030 108.132            | 022431102               |
| <b>DNA LoBind Tubes, 2.0 mL, PCR clean</b> , 250 tubes (5 bags x 50 tubes)                                                                                      | 0030 108.078            | 022431048               |
| <b>Eppendorf Tubes® 5.0 mL, Eppendorf Quality™</b> , 200 tubes (2 bags x 100 tubes)* <sup>1</sup>                                                               | 0030 119.401            | 0030119401              |
| <b>Protein LoBind Tubes 5.0 mL, PCR clean</b> , 100 tubes (2 bags x 50 tubes)                                                                                   | 0030 108.302            | 0030108302              |
| <b>DNA LoBind Tubes 5.0 mL, PCR clean</b> , 200 tubes (4 bags x 50 tubes)* <sup>1</sup>                                                                         | 0030 108.310            | 0030108310              |
| <b>System accessories</b>                                                                                                                                       |                         |                         |
| <b>Rack 5.0 mL (16 spaces)</b> , 2 pcs., white, also suitable for 15 mL conical screw cap tubes                                                                 | 0030 119.495            | 0030119495              |
| <b>5804/5804R/5810/5810R/5910R/5920R: rotors and adapters*<sup>2</sup></b>                                                                                      |                         |                         |
| Rotor FA-45-6-30, for 6 x Eppendorf Conical Tubes 15 and 50 mL                                                                                                  | 5820 715.006            | 5820715006              |
| <b>Eppendorf ThermoMixer® C and Eppendorf ThermoStat™ C*<sup>2</sup></b>                                                                                        |                         |                         |
| Eppendorf SmartBlock™ 15 mL, thermoblock for 8 conical tubes 15 mL                                                                                              | 5366 000.021            | 5366000021              |

\*<sup>1</sup> Further purity grades, colors and/or package sizes are available at [www.eppendorf.com/consumables](http://www.eppendorf.com/consumables)

\*<sup>2</sup> Further system accessories are available at [www.eppendorf.com](http://www.eppendorf.com)

### Your local distributor: [www.eppendorf.com/contact](http://www.eppendorf.com/contact)

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