



# Biosigma

Deutscher group

## CLEARLine® CENTRIFUGE TUBES 15/50 ML UPGRADED VERSION!

Free from **human DNA**, DNases, RNases, and bacterial Endotoxins. **Non-cytotoxic**.  
Implemented centrifugation resistance for 15ml tubes now up to **15,000 RCF**.

New smart cap colour!

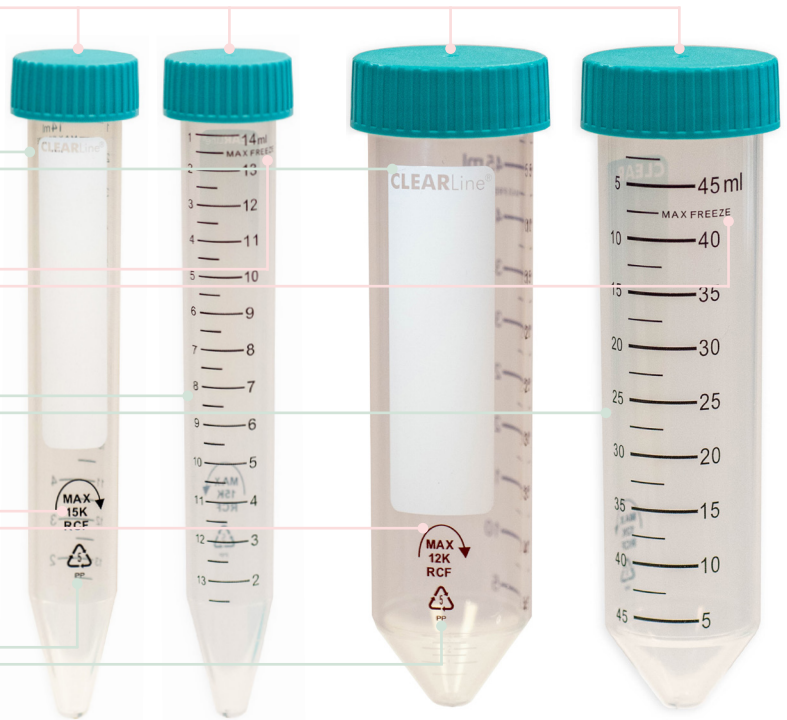
CLEARLine® brand

Maximum filling level for low temperature storage

Reverse graduated scale

Centrifugation speed

Recyclable plastic symbol added



## CLEARLine®

DNase  
RNase

Human  
DNA

Endotoxin

NON  
Cytotoxic

Gamma Rays Sterile  
SAL 10<sup>-6</sup>  
EN ISO 11137



## DESCRIPTION

- Centrifuge tubes made of transparent polypropylene, suitable for general laboratory use. Ideal for cell sedimentation in cell cultures and bacteria in microbiology, as well as for centrifugation, purification, and precipitation of nucleic acids and proteins in the field of molecular biology.
- Material: centrifuge tube made of Polypropylene (PP) and cap made of Polyethylene (PE) with inner ring for a perfect seal.
- The translucent wall facilitates clear observation of the contents.
- Two volumes are available: 15 ml and 50 ml, with the latter available with or without a base.
- The tubes have been tested for centrifugation up to 15,000g and 12,000g (Sorvall X Pro Series Centrifuge) respectively for the 15ml and 50ml tubes, as indicated on the tube printing.
- Indication of the maximum volume for storage at low temperatures.
- Clearly visible ascending and descending graduation lines printed in black on the tube body, with the graduation engraved directly into the plastic of the conical part of the tube.
- White writing area for better sample identification.
- Serigraphy is resistant to contact with acids, alcohols, and solvents.
- The recommended working temperature range is from -80°C to +120°C with appropriate precautions. The suitability of these tubes for storage below 0°C depends on both the solution and the storage conditions. It is strongly recommended to conduct a real-test to assess the suitability of the tubes for frozen storage. Due to their low temperature resistance, tube caps typically made of polyethylene cannot be recommended for autoclave sterilization. If autoclave sterilization is desired, it is advisable to unscrew the caps almost completely or remove them entirely before starting the sterilization process. Pressure differences that occur in the autoclave could cause tube collapse if the cap is screwed tightly. It is important to ensure that the sterilization method used is suitable for all components: tubes and caps. Otherwise, it is advisable to sterilize them separately using the most appropriate method for each. It should be noted that sterilization may result in a reduction in the mechanical, functional, or aesthetic properties of the product.
- Available either packaged loose in zip-lock bags or arranged in recyclable polystyrene racks.
- The internal packaging includes all product-related information such as Catalog Code, Lot Number, and Expiry Date.
- Sterile Gamma rays method SAL 10<sup>-6</sup>.
- Free from human DNA, DNases, RNases, and bacterial Endotoxins. Non-cytotoxic.

## ORDERING INFORMATION

CAT. NO.	VOLUME (ML)	BOTTOM STYLE	DIMENSIONS (mm)	MAX CENTRIFUGATION	INNER PACKAGING	OUTER PACKAGING
CL482	15	Conical	120 X Ø 16	15.000 xg	25 pcs in bag	500 pcs
CL490	15	Conical	120 X Ø 16	15.000 xg	50 pcs in plastic rack	500 pcs
CL477	50	Self Standing	118 X Ø 28	12.000 xg	25 pcs in bag	500 pcs
CL474	50	Conical	116 X Ø 28	12.000 xg	25 pcs in bag	500 pcs
CL475	50	Conical	116 X Ø 28	12.000 xg	25 pcs in plastic rack	500 pcs

## RECOMMENDATION USE (exclusive as information)

- For generic laboratory use.
- In case of content spillage, use gloves: risk of contamination.
- Do not bring the device near flames or sources of heat that could damage it.
- Do not use after expiry date.
- Sterile product: Do not use if package damaged.
- Do not vary the intended purpose of the product.
- Product not suitable for children.
- Store in dry place, temperature range: min. -10°C max +50°C.
- Disposal: Use appropriate P.P.E. and dispose of according to current regulations.



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REV. 2024-09