

TB (Terrific Broth)

CAT N° : TB235C – 500 ml.

Composition :

Ingredients	Gms / Litre
Tryptone	12.0000
Yeast extract	24.0000
Glycerol 0.4% (ml)	4.0000
Dipotassium hydrogen phosphate	1.2500
Potassium dihydrogen phosphate	0.2300

Resistivity at 25°C : 18.2 MΩ·cm.

TOC : ≤ 5 ppb.

Particles (size > 0.22 µm) : < 1 particle / ml.

Bacteria : < 0.01 UFC/ml.

Lipopolysaccharides (endotoxins) : <0.001 EU / ml.

RNases : < 1 pg/ml.

DNases : < 5 pg/ml.

Sterilization : Autoclaved at 121°C for 20 minutes.

Recommended use :

- Respect storage conditions of the product
- Do not use the product after its expiry date
- Store product in an area protected from light
- Manipulate the product in aseptic conditions (e.g. : under laminar air flow)
- Wear clothes adapted to the manipulation of the product to avoid contamination (e.g. : gloves, mask, hygiene cap, overall...)
- In order to preserve all product qualities, it is recommended to thaw out the flask, to aliquote, then to re-freeze the produced flasks rather than to thaw out and re-freeze the flask at each use.
- It is recommended to use the product immediately after its thaw out.

The product is intended to be used in vitro, in laboratory only. Do not use it in therapy, human or veterinary applications.

Application:

Phosphate buffered rich medium. It has 20% more peptone and 380% more yeast extract than LB broth. It also has glycerol as an extra carbon source. All these nutrients can support very high OD₆₀₀ in the culture. Used for high yield protein and plasmid DNA production.