SOB Medium (Super Optimal Broth)

CAT N° : SO275C – 100 ml.

Composition :

Ingredients	Gms / Litre
Tryptone	20.0000
Yeast extract	5.0000
Sodium chloride	0.5000
Potassium chloride 0.25M (ml)	10.000
Magnesium chloride anhydrous 2M (ml)	5.0000

Final pH (at 25) : 7 ± 2

Resistivity at 25ºC : 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 121ºC for 20 minutes.

Filtered : filtered with a 0.22 µm filter under a laminar flow hood.

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:

Rich media with twice as much peptone compared to LB. Contains Mg^{2+}, required for high density cell growth. Commonly used to make high efficiency competent cells.