

SOC Medium (Super Optimal Broth+ Catabolic Repressor)

CAT N° : SO151C – 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 |
| D-(+)-Glucose $\geq 99.5\%$ | 3.6000 |

Final pH (at 25) : 7 ± 2

Resistivity at 25°C : 18.2 M Ω ·cm.

TOC : ≤ 5 ppb.

Particles (size > 0.22 μ m) : < 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.

Filtered : filtered with a 0.22 μ m 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:

Same as SOB except it contains glucose, which serves as a catabolic repressor for lac I. Ideal for plasmid transformation and growth of competent cells.