

DEPC (diethylpyrocarbonate) 0.10%

CAT N° : DP025C – 500 ml.

Composition :

Ingredients	Gms / Litre
Diethyl pyrocarbonate (RMN)	1.0000

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:

It is an efficient, nonspecific inhibitor of RNases. Water, other solutions and laboratory utensils are treated with DEPC before working with RNA. DEPC derivatization of histidines is also used to study the importance of histidyl