

**Potassium Chloride 0.075M****CAT N°** : SLP-581-500**CAS N°** : 7447-40-7**Molecular Weight** : 74.55 g/mol**Chemical formula** : KCL**pH** : For information**Osmolality** :  $140 \pm 25$  mOsm/kg**Colour** : colourless, clear solution**Storage conditions** : Room temperature, protect from light**Shelf life** : 48 months**Sterility tests** :

- Bacteria in aerobic and anaerobic conditions
- Fungi and yeasts

**Endotoxin** : <1 EU/ml**Composition** : Potassium Chloride 5.59 g/l**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 (not necessary for saline solutions).
- 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...)

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

**Application** :

The solution of potassium chloride in 0.075M is a hypotonic solution used to widen cells to obtain an adequate distribution of chromosomes during metaphase.

**Indications of deterioration** :

This solution should be clear and free of particulate and flocculent material.

Do not use if the solution is cloudy or contains precipitate.

Other evidence of deterioration may include degradation of physical or performance characteristics.