

## Versene

**CAT N°** : L0630

**Theoretical pH** :  $7.2 \pm 0.3$

**Osmolality** : 280 mOsm/kg  $\pm 10 \%$

**Colour** : colourless, clear solution

**Storage conditions** : +2°C to +8°C

**Shelf life** : 24 months

**Sterility tests** :

- Bacteria in aerobic and anaerobic conditions
- Fungi and yeasts

**Endotoxin** : < 1 EU/ml

**Activity test** : Cells detachment test with the L929 cell line

**Composition** : Displayed on the website; also available on request.

**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.

**Description** :

The Versene is used instead of Trypsin. It is a chelating agent that disperses the cells by cutting the cytoplasmic bridges between them.

The Versene has the advantage to bear the temperature of the autoclave, which is a guarantee of sterility. In addition, it is less aggressive cells than Trypsin, which is useful for studies on cell growth.

**Uses :**

To act, the Versene must be in a medium free of calcium and magnesium ions. It is generally used in PBS amended by deleting the calcium chloride and magnesium chloride (catalog number L0615).

- 1) Take 75 ml of Versene and complete to 100 ml with PBS. Autoclave at 120°C for 20 minutes.
- 2) Prepare a solution of CaCl<sub>2</sub> at 3.5 g/l and autoclave at 120°C for 20 minutes.
- 3) Discard the culture medium from the vial to transplant.
- 4) Rinse quickly but carefully the bottle with a little Versene-PBS, to remove calcium and magnesium ions remaining.
- 5) Add the Versene-PBS at 5 ml per 250 ml bottle.
- 6) Turn the bottle flat in the oven for 15 minutes.
- 7) After 15 minutes, take the bottle and add the CaCl<sub>2</sub> solution (0.2 ml per 250 ml) to neutralize the Versene.
- 8) Add the fresh medium directly under the same conditions than with Trypsin.
- 9) Shake, cells disperse.
- 10) Divide and put new bottles in the oven.

**Signs of Deterioration :**

Medium should be clear and free of particulate and flocculent material.

Do not use if medium is cloudy or contains precipitate.

**Product code : L0630**

**Product name : Versene**

CAS Number	Components	Quantity in g/l
6381-92-6	EDTA Disodium Salt Dihydrate	0.29200000
7447-40-7	Potassium Chloride	0.19300000
7778-77-0	Potassium Phosphate Monobasic Anhydrous	0.19000000
7647-14-5	Sodium Chloride	7.99500000
7558-79-4	Sodium Phosphate Dibasic Anhydrous	1.15000000
14431-43-7	D-Glucose Monohydrate	0.19800000
WATER		989.98200000