

Technical Information

Trypsin Inhibitor from Soyabean 1X, Liquid

With 1mg per ml Trypsin Inhibitor in Dulbecco's Phosphate Buffered Saline

Product Code: TCL1068

Application:-

Soyabean trypsin inhibitor consists of a single polypeptide chain cross-linked by two disulfide bridges. It is widely used in serum-free cell culture practices to terminate tissue disaggregation and to inhibit protease activity of trypsin. It forms 1:1 stable stoichiometric complex with protease active site on trypsin molecule, thereby inhibiting trypsin activity. It also inhibits chymotrypsin and plasmin to some extent. Inhibition is reversible as well as pH dependent. Optimum binding of trypsin inhibitor to trypsin occurs at pH 8.0.

TCL1068 is soyabean trypsin inhibitor solution formulated to contain 1mg per ml trypsin inhibitor in Dulbecco's Phosphate Buffered Saline.

Methodology

1. To neutralize the action of trypsin, add soyabean trypsin inhibitor solution in an amount equal to the amount of trypsin used for dissociation.
2. Mix properly by gentle swirling.
3. Transfer the entire content in a sterile centrifuge tube and centrifuge at suitable speed for 5 minutes.
4. Aseptically discard the supernatant.
5. Suspend the cell pellet in suitable culture medium and culture as desired.

Quality control

Appearance

Colorless, clear solution.

pH

7.00 -7.60

Osmolality in mOsm/Kg H₂O

270.00 -310.00

Sterility

No bacterial or fungal growth is observed after 14 days of incubation, as per USP specification.

Performance Test

Complies

Endotoxin Content

NMT 1EU/ml

Storage and Shelf Life

Store at 2-8°C.

Shelf life of the product is 12 months.

Use before expiry date given on the product label.

Disclaimer :

- User must ensure suitability of the product(s) in their application prior to use.
- The product conforms solely to the technical information provided in this booklet and to the best of knowledge research and development work carried at **CDH** is true and accurate.
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