

Trypsin inhibitor, powder

Cell Culture Tested

Product Code: TC251

Product Description :

Activity : ≥ 7000 BAEE units of inhibition/mg
CAS : 9035-81-8

Cell culture grade trypsin is produced from the pancreas extract and its grade varies in purity and contains varying degrees of chymotrypsin. The most commonly available trypsin is derived from porcine pancreases. The enzyme is a ~ 23 KDa serine protease and they catalyze the breakdown of peptide bonds containing either lysine or arginine residues.

Trypsin is a strong cell dissociation reagent and is widely used to remove adherent cells off a plastic surface. It is usually used at a concentration of 0.025% to 0.5% along with EDTA (trypsin EDTA) and this solution improves the efficiency of the cell dissociation process. Incubation with high amounts of trypsin, can damage and finally cause the death of the cells.

Directions :

1. Solutions of the desired concentrations can be prepared in water or phosphate buffer without calcium and magnesium. Typical working concentration is 1mg/L.
2. Solutions can be sterilized by filtering through a sterile membrane filter with a porosity of 0.22 microns or less using positive pressure.

Quality Control:

Appearance

White to tan lyophilized powder.

Solubility

Clear colourless solution at 1mg in 1mL of 0.067M Potassium phosphate buffer, pH 7.6

Activity

≥ 7000 BAEE Units of inhibition/mg

Unit definition

BAEE Units of inhibition/mg One unit corresponds to the amount of inhibitor which reduces the trypsin activity by one BAEE- unit. (1 BAEE- unit is the amount of enzyme which increases the absorbance at 253 nm by 0.003 per minute at pH 7.0 and 25 °C; BAEE, as substrate).

Cell Culture Test

Passes

Storage and Shelf Life:

Store powder at 2-8°C.

Solutions can be stored at 4°C for up to 7 days and at -20°C for longer period.

Use before expiry date given on the product label.

Revision: 00/2018

Disclaimer :

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