

Prionex[®] 10%

Superior stabilizer for in vitro diagnostic reagents

Description: Prionex[®] is a 10% aqueous solution of a polypeptide fraction of highly purified dermal collagen of porcine origin which has excellent protein stabilizing properties. Prionex[®] is prepared by partial hydrolysis and is terminally sterilized. It is free from cartilage, bone and plasma components and is therefore a pure form of partially hydrolyzed gelatine type A.

Application: Due to the chemical nature and the standardised quality, Prionex[®] can be used as an inert protein stabilizer and as an additive for cell culture media.

Advantages:

- Optimize stability of biological activity
- Non-toxic and non-antigenic
- Filterable through a 0.2µm membrane
- Improve condition for lyophilisation and heat treatment
- Free from nucleic acids, polysaccharides and lipids
- Additive-free, high-consistency stabilizer
- Easy-to-use aqueous solution

MW: The average molecular weight is approx. 20'000 Da, estimated by gel permeation chromatography.

Solubility: Prionex[®] is freely soluble in water, diluted electrolyte solutions, glycerol and DMSO as well as in diluted ethanol and ammonium sulphate solutions below 20% saturation.

Storage: 15 - 25°C, protected from light

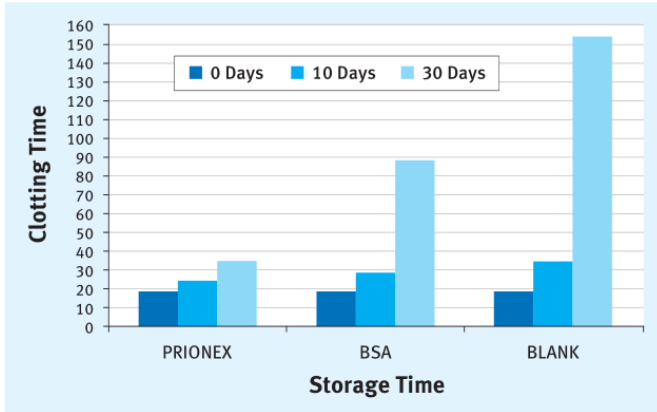
References: Gaffney PJ, Edgell TA, Dawson PA, Ford AW, Stocker K.
A pig collagen peptide fraction. A unique material for maintaining biological activity during lyophilization and during storage in the liquid state.
J Pharm Pharmacol 1996; 48: 896-8.

Code: 901770, 100 mL 901772, 1 L

NOT FOR USE IN HUMANS AND ANIMALS

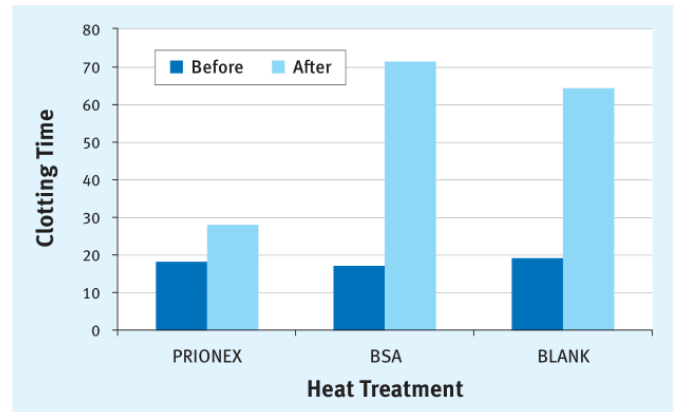
Increase storage stability

Prionex® shows protein stabilization properties and increases the shelf life of a protein preparation



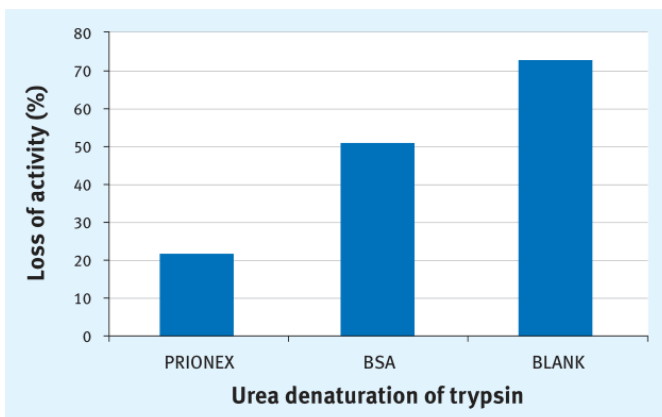
Increase temperature stability

Prionex® enhances protein stability at elevated temperatures and this prevents denaturation during pasteurization or sanitization by heat and enhances long-term storage stability.



Preserves activity

Prionex® maintains biological activity during Lyophilisation, freeze-thaw cycles, during treatment by urea or ethanol.



Prevents adsorption

Prionex® prevents protein adsorption. Adsorption of peptides and proteins on glass and plastic surfaces is a common phenomenon that lead to loss protein content or activity.

