5D PROTEIN STABILIZER

(10% Hydrolyzed Porcine Collagen Peptides)

REF	5D-82411S	50 mL
REF	5D-82411A	100 mL
REF	5D-82411B	1000 mL

For Laboratory Use Only.
Not for use in human or direct animal applications.
Store at 2-8°C

5D Protein Stabilizer stabilizes and increases the shelf life of proteins and enzymes and is a BSA alternative with minimal lot to lot variation.

DESCRIPTION
Hydrolyzed porcine collagen peptide fraction, from dermal origin, which can be used as a protein stabilizer for lyophilized or liquid formulations, or as a blocking agent for coated surfaces. 5D Protein Stabilizer is free from cartilage, bone and plasma components. The product is sterilized for a long-term storage.

FORMULA
Pig collagen peptides, from hydrolyzed collagen, heat stable.

MOLECULAR WEIGHT
10 to 20 kDa

COMPOSITION
Aqueous solution containing 10% hydrolyzed collagen peptides, free of any additives. pH of around 7.00.

SOLUBILITY
Totally soluble in water.

PORCINE COLLAGEN PEPTIDES ACTIVITY
Unknown toxic and non-antigenic activity.

PRINCIPLE
Concentrated solution of hydrolyzed porcine collagen peptides, highly efficient as protein stabilizer.

PREPARATION
Obtained from purified porcine collagen, diluted at a 10% (100 mg/ml) concentration, hydrolyzed at high temperature, filtrated on a 0.2 µ filter and sterilized.

APPLICATIONS
Can be used for protein stabilization, in lyophilized formulations or in liquid solutions, during urea, ethanol or heat treatment. Applications as active sites blocker in ELISAs or on coated surfaces.

STORAGE AND STABILITY
Stable until the expiration date printed on the bottle label, when stored at 2-8°C.

Can be frozen.

As 5D Protein Stabilizer contains no preservatives, when open the bottle must be used within 24 hours and any contamination must be avoided.

Alternatively, 5D Protein Stabilizer when open can be supplemented with preservatives for preventing microbiological or fungal contamination and growth (sodium azide at 0.9 mg/ml final or BNP at 0.1 mg/ml are recommended).

Protect from light.

WARNINGS AND PRECAUTIONS
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Not for use in human or direct animal applications.

REFERENCES

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5-Diagnostics AG
Heuberg 7, 4051 Basel,
Switzerland
Tel: +41 61 588 07 84
www.5-diagnostics.com
info@5-diagnostics.com