

Technical Information

Collagenase Type II

Source : Clostridium histolyticum Suggested for bone, heart, liver, thyroid and salivary primary cell isolation, Cell Culture Tested

Product Code:TC1212

Product Information

Product Code	: TC1212
Product Name	: Collagenase Type II Source : Clostridium histolyticum Suggested for bone, Heart, liver, thyroid and salivary primary cell isolation, Cell Culture Tested
Synonym	: Clostridiopeptidase A
Molecular Formula	: --
Molecular Weight	: --
CAS No.	: 9001-12-1

Technical Specification

Appearance	: White to dark brown powder.
Solubility	: 0.1% Solution in water is clear and colourless.
Assay	: 125U/mg
Caseinase Content	: 200U/mg
Clostripain Content	: 3.5U/mg
Tryptic Content	: 0.1U/mg
Cell Culture Test	: Passes test

Activity:
 One Collagen Digestion Unit liberates peptides from collagen equivalent in ninhydrin color to 1.0mmole of leucine in 5 hours at pH 7.4 at 37°C in the presence of calcium ions.
 One Clotripain Unit hydrolyzes 1.0mmole of (N-Qbenzoyl-L-arginine ethyl ester (BAEE) per min at pH 7.6 at 25°C in the presence of dithiothreitol(DTT).
 One Tryptic unit is that enzyme activity which hydrolyzes 1.0mmole of (N-Q-benzoyl-L-arginine ethyl ester (BAEE) in one min at 25°C and pH 7.6.
 One Protease Unit hydrolyzes Casein to produce color equivalent to 1.0mmole tyrosine per 5 hours at pH 7.5 at 37°C.

Risk And Safety Information

WGK	: --
RTECS	: --
Storage Temperature(°C)	: Store Collagenase Type II powder at 2-8°C. Reconstituted solution should be stored at -20°C. Note: Avoid repeated freezing and thawing

Transport Information

Marine Pollutant	: No
ADR/RID	: Not Dangerous Goods
IMDG	: Not Dangerous Goods
IATA	: Not Dangerous Goods

**Animal Cell
Culture Tested**



Product Specification

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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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- Do not use the products if it fails to meet specifications for identity and performance parameters.