CREATIVE BIOMART®
Assay Kit

Hydroxyproline Colorimetric Assay Kit

Product Information

Cat

Kit-2251

Cat.No. Kit-2251

Product Overview

Hydroxyproline (4-hydroxyproline) is a common nonproteinogenic amino acid. It is found only in collagen and elastin in mammals but exists in a number of other proteins in plants. Hydroxyproline is formed only as a post-translational modification in the peptide chain and proline hydroxylase does not hydroxylate free proline. Hydroxyproline in tissue hydrolysates is a direct measure of the amount of collagen or gelatin present. A variety of disease states are believed to affect collagen turnover and can cause elevated serum or urine hydroxyproline. Such conditions range from neoplastic, inflammatory, renal or bone disease to endocrine and autoimmune disorders. Hydroxyproline Assay Kit is designed to measure hydroxyproline in tissue or protein/peptide hydrolysates. It can be used to measure hydroxyproline from other biological samples such as serum or urine if they have undergone a prior purification process. It is an easy, convenient method which results in a chromogen with an absorbance maximum at 560 nm. The assay is useful over the range of 0.1-2 μg.

Applications

The assay is useful over the range of 0.1-2 μg.

Storage

4°C

Shipping

Gel Pack

Size

100 assays

Kit Components

Tel: 1-631-559-9269 1-516-512-3133

Email:info@creative-biomart.org

Fax:1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA

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Oxidation Buffer; Chloramine T Concentrate; Perchloric acid/Isopropanol Solution; DMAB Concentrate (in DMSO); Hydroxyproline Standard (1 mg/ml)

Target Species

Mammalian

Detection method Absorbance (560 nm)

Features & Benefits

Simple procedure; takes less than ~100 minutes; Convenient and easy to use

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