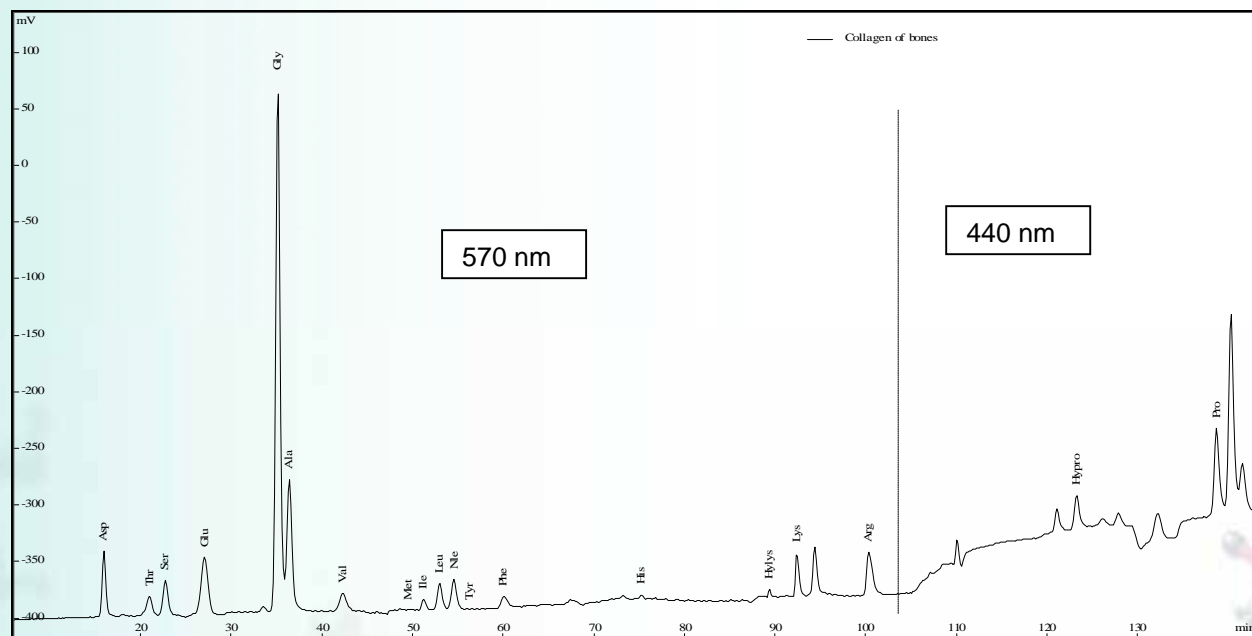


APPLICATION NOTE

Analysis of collagen of Bones



hydrolysed collagen of bones presents the composition of amino acids, especially the concentration of glycine is high

Operation Data:

Instrument

Amino Acid Analyzer ARACUS

Elution Buffers

Membrapure Ready-to-Use Buffers A, B, C, D, E and F

Reagent

Membrapure "Reagent for Derivatization"

Pre-Column

narrow bore, stainless steel, 30 mm

Column

narrow-bore, stainless steel, 125 mm, ID 3 mm

Method of Detection

Postcolumn-derivatization with Ninhydrin

Detection wavelength

570 nm and 440 nm for detection of Proline and Hydroxyproline

Sample

Collagen of bones

Sample Preparation

Hydrolysis with 6N HCL for 24h at 115°C

Data Acquisition & Analysis Software

iPeak