PROCEEDINGS

Hyaluronate adsorbs water more than collagen, but the difference is not large. The effect of depolymerization is seen in the change of the constant C.


Collagen Fractions in Experimental Lathyrisim
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The collagen fractions of pooled skins of lathyritic and control rats were obtained by a modified procedure by Harkness et al. In the disodium phosphate-soluble fractions the collagen was estimated from the content of hydroxyproline, the acid-soluble and insoluble fractions from the nitrogen content. Four extraction series were performed in both groups.

The insoluble collagen was nearly same in lathyritic animals as in controls. The acid-soluble collagen was higher in lathyritic samples (content 0.49% and 0.18% from the air-dried skin samples of lathyritic and normal rats, respectively; P>0.10).

The most marked difference was in the disodium phosphate-soluble collagen. Calculated from the hydroxyproline contents of the extracts, the averages were 3.15% and 6.2% in the lathyritic and normal samples, respectively (P<0.001) and after precipitation the alkali-soluble collagen amounted to 1.07% and 0.30% (P<0.01). It is concluded that in experimental lathyrisim the alkali-soluble collagen is increased but there is a defect in the fibre formation.


A New Sensitive Detector for Gas Chromatography
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We constructed Lovelock's type of gas chromatography detector of Pyrex glass using the activities of 95Sr-covered silver plate as anode. Some incidental observations prompted us to replace the anode by a non-radioactive aluminium plate.

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