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Title: Collagen type I from bovine bone. Effect of animal age, bone anatomy and drying methodology on extraction yield, self-assembly, thermal behaviour and electrokinetic potential

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Highlights

- Natural type I collagen is easily available from animal tissues such as bones
- Heterogeneity of type I collagen from bovine's bone by acetic acid was studied
- Bone age and anatomy show effect on type I collagen physicochemical properties
- Drying method affects type I collagen physicochemical properties
- Variability of bone's collagen type I properties can allow tailor-made applications

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