

- [54] **CROSSLINKED COLLAGEN-MUCOPOLYSACCHARIDE COMPOSITE MATERIALS**
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[57] **ABSTRACT**

Composite materials are disclosed which are formed by contacting collagen with a mucopolysaccharide and subsequently covalently crosslinking the resultant polymer. These composite materials have a balance of mechanical, chemical and physiological properties which make them useful in surgical sutures and prostheses of controlled biodegradability (resorption) and controlled ability to prevent development of a foreign body reaction, and many are also useful in applications in which blood compatibility is required.

11 Claims, No Drawings