

Abstract

Disclosed is a biocomposite membrane material, a preparation method and use thereof. The biocomposite membrane material provided by the present disclosure comprises a dialdehyde cellulose compound and a biomaterial, wherein the biomaterial is selected from a collagen or a gelatin. The biocomposite membrane material provided by the present disclosure solves the problems of numerous additions, residues, and poor safety caused by use of cross-linking agents in existing protein casings and cellulose derivative-protein film, and improves the tensile strength and elongation at break.

Fig. 3