

ABSTRACT**DEGRADABLE IN-VIVO PRESSURE-SENSITIVE ADHESIVE TAKING
DECELLULARIZED MATRIX MATERIAL AS BASE MATERIAL AND
PREPARATION METHOD THEREFOR**

The present application provides a degradable in-vivo pressure-sensitive adhesive taking a decellularized matrix material as a base material and a preparation method therefor. The degradable in-vivo pressure-sensitive adhesive comprises a biological base material layer and pressure-sensitive adhesive layers arranged on both sides of the biological base material layer. On the basis of the total mass of raw materials of the pressure-sensitive adhesive layer as 100%, the raw materials of the pressure-sensitive adhesive layer comprise, by mass percentage, 5%-18% of a tissue-active material, 5%-25% of a base material, 10%-35% of a thickener, 10%-50% of a plasticizer, and 10%-60% of deionized water. The degradable in-vivo pressure-sensitive adhesive provided by the present application not only has good compatibility with human tissues, but also has adjustable viscosity. Moreover, the degradable in-vivo pressure-sensitive adhesive can be absorbed or completely discharged out of the body after degradation in vivo. Therefore, it is suitable for in-vivo wound closure, prevention of fluid (gas) leakage at suture sites, tissue repair, drug delivery, wound healing, and other applications.

[FIG. 1]