

[ABSTRACT]

A method for producing a fibrin sheet containing at least one selected from the group consisting of cells and drugs in a fibrin gel, the method comprising:

5           a step 1 of applying a fibrinogen solution containing at least one selected from the group consisting of cells and drugs and fibrinogen dropwise onto a surface of a substrate made of a gelatin hydrogel;

10           a step 2 of adding thrombin to the fibrinogen solution on the surface of the substrate;

            a step 3 of placing a support film on and in contact with a top surface of the fibrinogen solution to which the thrombin has been added;

15           a step 4 of forming a fibrin sheet containing the at least one selected from the group consisting of cells and drugs in a fibrin gel between the substrate and the support film by a reaction between the fibrinogen and the thrombin; and

20           a step 5 of melting the substrate at a temperature not lower than a melting temperature of the gelatin hydrogel to separate, from the substrate, the fibrin sheet supported by the support film.

25           [No suitable figure]