

ABSTRACT

METHOD FOR MANUFACTURING HYDROGEL PARTICLES

A method for manufacturing hydrogel particles includes a step of cooling an aqueous solution, in which a gel agent forming a non-crosslinked hydrogel is dissolved, down to a temperature lower than the gel point of the aqueous solution. In the step of cooling, a cooled substance of the aqueous solution is stirred at least at the gel point, and after the gel point has been reached, a stirring energy of $400 \text{ kW}\cdot\text{s}/\text{m}^3$ or higher is applied to the cooled substance of the aqueous solution with stirring at a required stirring power per unit volume of $0.8 \text{ kW}/\text{m}^3$ or higher.