

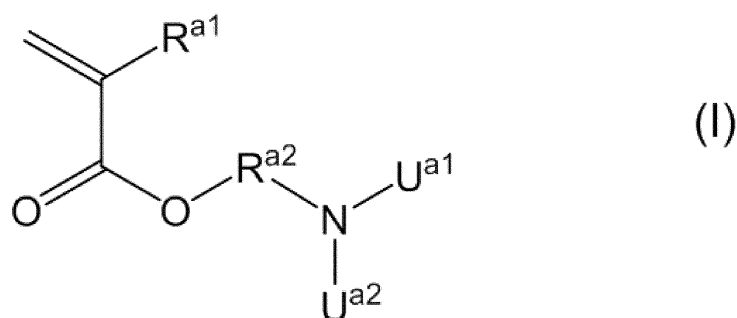
ABSTRACT

METHOD FOR PRODUCING POLYMER USED AS BASE FILM FOR CELL CULTURE, AND CELL CULTURE CONTAINER

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This is to provide a method for producing a polymer used as a base film for cell culture, a base film-forming agent for cell culture, a base film and a method for manufacturing a cell culture container.

10 A method for producing a polymer used as a base film for cell culture which comprises a preparation step of preparing a mixture containing a monomer represented by the following formula (I):



[wherein

15 $\text{U}^{\text{a}1}$ and $\text{U}^{\text{a}2}$ each independently represent a hydrogen atom or a linear or branched alkyl group having 1 to 5 carbon atoms, $\text{R}^{\text{a}1}$ represents a hydrogen atom or a linear or branched alkyl group having 1 to 5 carbon atoms, and $\text{R}^{\text{a}2}$ represents a linear or branched alkylene group having 1 to 5 carbon atoms], a radical polymerization initiator and an organic solvent, and a polymerization step of preparing a polymer by raising a temperature of the mixture under stirring to polymerize the monomer.

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[No suitable figure]