

【ABSTRACT】

Provided are a method for producing an edible cell-based fish that can realize actual fish muscle shape and texture, and a cell-based fish prepared thereby. The method for producing cell-based fish containing fish muscle shape-mimicking muscle using 3D bioprinting technology includes the steps of : mixing cells for cultured fish and an edible bioink; printing the cell printing ink in a fish muscle-mimic pattern to form a laminated structure; adding a crosslinking agent to the laminated structure; and culturing the laminated structure to which the crosslinking agent is added into a fish muscle tissue.