Collagen-containing Cell Carrier

The present invention relates to the use of a collagen-containing composition for the cultivation of biological cells, a method for the cultivation of biological cells, a method for the implantation of biological material into an organism and a method for the improvement of a composition in its suitability for the cultivation of biological cells.

Carriers for the cultivation of biological cells are generally known in the art. Such carriers are often referred to as matrix or scaffold. These carriers provide the breeding ground or, in general, the basis on which the cells grow in cell culture.

Collagen-containing compounds represent the best-known type of cell carriers. Collagen, as an animal protein of the extracellular matrix, belongs to the scleroproteins and is usually water-insoluble and fibrous in structure. It is one of the main components in the structure of connective tissues, e.g. skin, blood vessels, ligaments, tendons and cartilage, and in the structure of bones and teeth. Because of these properties, collagen-based biomaterials from animal sources have already been used in medicine for several years now. Especially in the clinically applicable products for hemostasis, as a replacement for dura or in different areas of plastic surgery, collagens were able to establish themselves as a carrier material. These collagens, of which, to

CELL CARRIER CONTAINING COLLAGEN

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