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**(54) Title (EN):** HOLLOW MICROFIBER

**(54) Title (FR):** MICROFIBRE CREUSE

**(54) Title (JA):** 中空マイクロファイバ

**(57) Abstract:**

**(EN):** The present invention relates to a hollow microfiber comprising (1) one or more cell-adhesive layers having a cell-adhesive hydrogel, (2) an outer shell layer having a high-strength hydrogel that covers the outer periphery of the cell-adhesive layer that is positioned farthest from the center axis among the one or more cell-adhesive layers, and (3) a cell layer that covers the inner periphery of the cell-adhesive layer that is positioned closest to the center axis among the one or more cell-adhesive layers. The present invention also relates to a method of manufacturing the hollow microfiber and a kit for carrying out the manufacturing method.

**(FR):** La présente invention concerne une microfibre creuse comprenant (1) une ou plusieurs couche(s) d'adhésion cellulaire pourvue(s) d'un hydrogel (2) d'adhésion cellulaire, une couche d'enveloppe extérieure, pourvue d'un hydrogel haute résistance et qui recouvre la périphérie extérieure de la couche d'adhésion cellulaire la plus éloignée de l'axe central de la ou des couche(s) d'adhésion cellulaire, et (3) une couche cellulaire, qui recouvre la périphérie interne de la couche d'adhésion cellulaire la plus proche de l'axe central de la ou des couche(s) d'adhésion cellulaire. La présente invention concerne également un procédé de fabrication de cette microfibre creuse et une trousse pour mettre en oeuvre le procédé de fabrication.

**(JA):** 本発明は、(1)細胞接着性ハイドロゲルを含む少なくとも1つの細胞接着性層、(2)前記少なくとも1つの細胞接着性層のうち、中心軸から最遠位部に位置する細胞接着性層の外周を覆う高強度ハイドロゲルを含む外殻層、及び(3)前記少なくとも1つの細胞接着性層のうち、中心軸から最近位部に位置する細胞接着性層の内周を覆う細胞層を含む、中空マイクロファイバ、当該マイクロファイバの製造方法、および当該製造方法を行うためのキットに関する。

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