

Title (en)

METHOD AND DEVICE FOR SEPARATING BIOMOLECULES

Title (de)

VERFAHREN UND VORRICHTUNG ZUR TRENNUNG VON BIOMOLEKÜLEN

Title (fr)

PROCEDE ET DISPOSITIF POUR SEPARER DES BIOMOLECULES

Publication

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Application

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Abstract (en)

[origin: DE19831210A1] The present invention relates to a method and to devices for the electrophoresis separation of gel biomolecules into one and two dimensions in an electrophoresis apparatus. This invention can essentially be used for separating proteins, glycoproteins, lipoproteins, nucleic acids or cellular complexes, etc. A first device according to this invention is characterised in that a combined electrophoresis chamber (1) comprises a central portion (2) with cooling members (3). These members are arranged under electrophoresis chambers (6, 7) which are formed on either side of the central portion (2) by a plurality of inner (4) and outer (5) plates interacting with isolation members (9) which can be removed or switched. The cooling members are also arranged under buffer vessels (8, 21). A second combined chamber is also provided for the electrophoresis separation of biomolecules or other mixtures of substances in the form of horizontally superposed gels into one or two dimensions, wherein said chamber comprises a base-wall plate as well as a cover plate. This invention further relates to a method for carrying out the separation into one and into two dimensions, as well as to the formulation of specific gels.

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