

Title (en)
MULTI-COMPARTMENT ELECTROPHORESIS

Title (de)
MULTI-KOMPARTIMENT-ELEKTROPHORESE

Title (fr)
APPAREIL D'ELECTROPHORESE A PLUSIEURS COMPARTIMENTS

Publication
EP 1230258 A4 20041222 (EN)

Application
EP 00974180 A 20001114

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Abstract (en)
[origin: WO0136449A1] A novel multi-compartment electrolyser design is used to prefractionate complex protein mixtures, for use prior to the implementation of 2-D maps. Such sub-fractionation processes can effectively remove, via suitable narrow range isoelectric membranes, proteins present in large excess in a cell lysate or in body fluids. In turn, the remaining protein mixture, devoid of such major components, can be loaded in a 2-D map at much higher levels, thus ensuring a greater sensitivity and detection capability of low-abundance proteins. The apparatus is a multi-compartment electrolyser, which is characterised in that recirculation of the samples is not required. The apparatus produces protein fractions which are fully compatible with the subsequent 2-D protocols, since it is based on a focusing technique, which yields samples highly concentrated and devoid of salts and buffers.

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C07K 1/26; **G01N 27/447**

IPC 8 full level
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Citation (search report)
• [X] EP 0287513 A2 19881019 - CIBA GEIGY AG [CH]
• [E] WO 0175432 A2 20011011 - WISTAR INST [US]
• [A] US 4588492 A 19860513 - BIER MILAN [US]
• See references of WO 0136449A1

Designated contracting state (EPC)
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