

Title (en)

METHOD FOR SEPARATING AND DETECTING PROTEINS BY MEANS OF ELECTROPHORESIS

Title (de)

VERFAHREN ZUR TRENNUNG UND DETEKTION VON PROTEINEN MITTELS ELEKTROPHORESE

Title (fr)

PROCEDE DE SEPARATION ET DE DETECTION DE PROTEINES PAR ELECTROPHORESE

Publication

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Application

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Abstract (en)

[origin: WO0240983A1] The invention relates to a method for separating and detecting proteins or protein samples of cellular origin. Said proteins are contained in a separation buffer solution and the following steps are carried out: the protein samples are separated into individual fractions in a first separating step by means of free flow electrophoresis, isoelectric focusing (IEF) or isotachophoresis, and are linked with a marker; the protein fractions are separated into at least one capillary by means of capillary electrophoresis in a second separating step; and at least one marker linked with the protein fractions is detected in the at least one capillary.

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Citation (search report)

See references of WO 0240983A1

Citation (examination)

- WEBER G; BOCEK P: "RECENT DEVELOPMENTS IN PREPARATIVE FREE FLOW ISOELECTRIC FOCUSING", ELECTROPHORESIS, vol. 19, no. 10, July 1998 (1998-07-01), WEINHEIM, DE, pages 1649 - 1653, XP001057209
- OHISHI M; SATOH M; MAEDA T: "PREPARATIVE TWO-DIMENSIONAL GEL ELECTROPHORESIS WITH AGAROSE GELS IN THE FIRST DIMENSION FOR HIGH MOLECULAR MASS PROTEINS", ELECTROPHORESIS, vol. 21, no. 9, May 2000 (2000-05-01), WEINHEIM, DE, pages 1653 - 1669, XP001056980
- WEBER G; BOCEK P: "Interval isotachophoresis for purification and isolation of ionogenic species", ELECTROPHORESIS, vol. 19, no. 18, WEINHEIM, DE, pages 3090 - 3093, XP007900331, DOI: doi:10.1002/elps.1150191808

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