

Title (en)
ANALYTICAL METHOD AND DEVICE

Title (de)
ANALYTISCHES VERFAHREN UND VORRICHTUNG

Title (fr)
PROCEDE ET DISPOSITIF ANALYTIQUE

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Abstract (en)
[origin: WO0111355A1] The invention relates to an analytical chromatographic method which comprises the steps of: (a) providing a membrane type flow matrix attached to a liquid-impervious backing, which flow matrix permits a capillary force assisted lateral fluid flow therethrough, and at least a part of which flow matrix contains ion-exchange functions; (b) treating the flow matrix to reduce or eliminate unspecific adsorption properties of the flow matrix; (c) applying to the flow matrix a sample containing at least two components; (d) initiating a first lateral flow of aqueous fluid to transport the sample through the flow matrix and separate said components therein; (e) interrupting the lateral flow; and either (f1) detecting at least one of the separated components on the flow matrix in the position reached by the respective component when the flow was interrupted; or (f2a) initiating a second flow of aqueous fluid to transport the components in a direction substantially transverse to the direction of the first lateral flow; (f2b) interrupting the second lateral flow; and (f2c) detecting at least one of the separated components on the flow matrix in the position reached by respective component when the flow was stopped. The invention also relates to a chromatographic device comprising a membrane type flow matrix attached to a liquid-impervious backing, which membrane permits a capillary force assisted lateral fluid flow therethrough and at least a part of which is modified to support ion-exchange functions.

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