

Title (en)
PROCESS FOR ESTABLISHING DIRECT DIAGNOSTIC EVIDENCE OF PATHOGENIC, GENETICALLY-CONDITIONED POINT MUTATIONS

Title (de)
VERFAHREN ZUM DIREKTEN DIAGNOSTISCHEN NACHWEIS VON PATHOGENEN, GENETISCH BEDINGTEN PUNKTMUTATIONEN

Title (fr)
PROCEDE POUR ETABLIR DIRECTEMENT LA PREUVE DIAGNOSTIQUE DE MUTATIONS PONCTUELLES PATHOGENES D'ORDRE GENETIQUE

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EP 0914615 A1 19990512 (DE)

Application
EP 97929238 A 19970620

Priority
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• EP 9703241 W 19970620

Abstract (en)
[origin: DE19624802A1] The invention relates to a rapid process for medical and diagnostic, qualitative and quantitative protein analysis of the exchange of individual amino acids with pathogenic or non-pathogenic effects on the organism. The medical and diagnostic analysis is achieved by combination of enzymatic or chemical separation of the isolated peptide, chromatographic separation of the fragments and analysis by mass spectrometry, and of direct liquid chromatography-mass spectrometry (LC/MS) and indirect matrix-assisted laser desorption ionisation mass spectrometry (MALDI-MS), and analysis by capillary electrophoresis. By comparing the protein samples of healthy people with the samples of sick people, said process can be used to determine novel, presently unknown mutations, and to quantify the expression and incorporation of a wild type to form a mutant.

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Citation (search report)
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Cited by
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