Title (en)

CHROMATOGRAPHIC METHOD FOR MUTATION DETECTION USING MUTATION SITE SPECIFICALLY ACTING ENZYMES

Title (de)

CHROMATOGRAPHISCHES VERFAHREN ZUR MUTATIONS-DETEKTION UNTER VERWENDUNG VON ENZYMEN DIE SPEZIFISCH AM MUTATIONSORT WIRKEN

Title (fr)

PROCEDE CHROMATOGRAPHIQUE DE DETECTION DE MUTATION PAR UTILISATION D'ENZYMES AGISSANT SPECIFIQUEMENT SUR LE SITE DE MUTATION

Publication

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Application

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- US 5567697 P 19970818
- US 6241397 P 19971014

Abstract (en)

[origin: WO9909203A1] A method for analyzing a sample of double stranded DNA to determine the presence of a mutation therein comprises contacting the sample with a mutation site binding reagent, and chromatographically separating and detecting the product. The chromatographic separation can be performed using Matched Ion Polynucleotide Chromatography, size exclusion chromatography, ion exchange chromatography, or reverse phase chromatography. The mutation site binding reagent can be an enzyme or a non-proteinaceous chemical reagent. In one embodiment, a mutation site binding reagent binds to the site of mutation and alters the chromatographic retention time. In another embodiment, a mutation site binding reagent cleaves at the site of mutation, resulting in an increase in the number of fragments.

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IPC 8 full level

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