

Title (en)

PURIFICATION OF DNA SEQUENCING REACTIONS USING SILICA MAGNETIC PARTICLES

Title (de)

AUFREINIGUNG VON DNA SEQUENZIERUNGREAKTIONEN UNTER VERWENDUNG MAGNETISCHER SILIKA-PARTIKEL

Title (fr)

PURIFICATION DE REACTIONS DE SEQUEN AGE D'ADN AU MOYEN DE PARTICULES MAGNETIQUES DE SILICE

Publication

**EP 1339876 A2 20030903 (EN)**

Application

**EP 01998656 A 20011121**

Priority

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- US 72416900 A 20001128

Abstract (en)

[origin: WO0244414A2] A method and kit are provided for using silica magnetic particles, preferably low porosity silica magnetic particles, to purify DNA extension products from DNA sequencing reactions containing unincorporated dideoxynucleotides and other materials in the solution likely to interfere with sequence analysis, prior to analysis. In a particularly preferred embodiment of the present invention, the method and kit have been designed for use in purifying DNA extension products from DNA sequencing reactions containing unincorporated dideoxynucleotides labeled with fluorescent dyes and other materials in the solution. DNA extension products purified from a sequencing reaction according to the present method or using the present kit produce highly accurate and long reads compared to reactions purified using other methods.

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