

Title (en)

METHOD FOR THE QUALITATIVE AND QUANTITATIVE DETECTION OF DNA DAMAGE

Title (de)

VERFAHREN ZUM QUALITATIVEN UND QUANTITATIVEN NACHWEIS VON DNA-SCHÄDEN

Title (fr)

PROCEDE DE DETECTION QUALITATIVE ET QUANTITATIVE DE LESIONS DE L'ADN

Publication

EP 0815260 A1 19980107 (FR)

Application

EP 96906825 A 19960313

Priority

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Abstract (en)

[origin: WO9628571A1] A method for the qualitative and quantitative detection of damages to DNA, characterised in that it includes the steps of binding the target DNA to a sensitised substrate, subjecting the DNA to the action of a test composition comprising at least one damage-generating product, subjecting the DNA to the action of a composition containing at least one cell extract active in repairing the DNA and containing markers, and detecting directly or indirectly the markers optionally incorporated into the DNA, if the repair has been effective, wherein a washing step is included between said steps and the binding and damaging steps can be reversed. The invention also provides a method for capturing the DNA directly from the cells with a lysis solution and a method for determining the repair modulation effect of some molecules. Said method is suitable for detecting DNA damage and the repair inhibition modulating activity of one or more molecules.

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