Title (en)

DETECTING INTERACTIONS BETWEEN OLIGONUCLEOTIDES AND RNA USING FLUORESCENCE RESONANCE ENERGY TRANSFER (FRET)

Title (de)

DETEKTION VON ABHÄNGIGKEITEN ZWISCHEN OLIGONUCLEOTIDES UND RNA MIT FLUORESZENZ-RESONANZ-ENERGIE-ÜBERTRAGUNG (FRET)

Title (fr)

DETECTION D'INTERACTIONS ENTRE OLIGONUCLEOTIDES ET ARN PAR TRANSFERT D'ENERGIE PAR RESONANCE DE FLUORESCENCE (FRET)

Publication

EP 1370688 A1 20031217 (EN)

Application

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Priority

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- GB 0105789 A 20010308

Abstract (en)

[origin: WO02072885A1] There is provided a device and method for detecting interactions between oligonucleotides immobilised on a solid array and RNA that is added to the array. This detection of the interaction relies on Fluorescence Resonance Energy Transfer (FRET) between the two chromaphores. As the precise sequence of the immobilised oligonucleotides is known, it is therefore possible to determine structural parameters of native RNA transcripts and infer regions that may be effective targets for antisense mediated gene knock-down.

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IPC 8 full level

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