

Title (en)

ISOTHERMAL REAL-TIME PCR METHOD FOR DETERMINING PRESENCE OF A PRE-DETERMINED RNA SEQUENCE IN A SAMPLE

Title (de)

ISOTHERMES ECHTZEIT-PCR-VERFAHREN ZUR BESTIMMUNG DER ANWESENHEIT EINER VORBESTIMMTEN RNA-SEQUENZ IN EINER PROBE

Title (fr)

PROCÉDÉ DE PCR EN TEMPS RÉEL ISOTHERME POUR DÉTERMINER LA PRÉSENCE D'UNE SÉQUENCE D'ARN PRÉDÉTERMINÉE DANS UN ÉCHANTILLON

Publication

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Application

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- EP 20179109 A 20200609
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Abstract (en)

[origin: EP3922734A1] The present invention relates to a method for determining presence of a pre-determined RNA sequence in a sample, the method comprising the steps of adding one or more enzyme(s) providing activities of RNA- and DNA-dependent DNA polymerase activity and strand-displacement activity to the sample to be analysed for the presence of the pre-determined RNA sequence; simultaneously or subsequently adding at least five DNA primers to the sample to be analysed for the presence of the pre-determined RNA sequence, wherein at least one DNA primer comprises a sequence hybridisable to the RNA sequence and at least one DNA primer comprises a sequence hybridisable to the DNA sequence reverse-complementary to the RNA sequence; incubating the sample resulting from the previous steps at a fixed temperature; and determining whether an elongated double-stranded DNA sequence is present in the sample, wherein presence of the elongated double-stranded DNA sequence in the sample is indicative of the presence of the pre-determined RNA sequence in the sample wherein the pre-determined RNA sequence is part of an RNA virus.

IPC 8 full level

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