Title (en)

METHOD FOR DETECTING NUCLEIC ACIDS WITH INTERNAL CONTROL OF THE AMPLIFICATION

Title (de)

DETEKTIONSVERFAHREN FUER NUCLEINSAEUREN MIT INTERNER AMPLIFIKATIONSKONTROLLE

Title (fr)

PROCEDE DE DETECTION D'ACIDES NUCLEIQUES FAISANT INTERVENIR UN CONTROLE INTERNE DE L'AMPLIFICATION

Publication

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Application

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Priority

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Abstract (en)

[origin: EP1493822A1] Qualitative and quantitative determination of nucleic acid (I) in a sample comprising amplification and using of one or more detection probes (DP) that bind reversibly to (I) to allow detection, is new. Qualitative and quantitative determination of nucleic acid (I) in a sample by amplification and use of one or more detection probes (DP) that bind reversibly to (I) to allow detection. The new feature is that the process is done in presence of an amplifiable control nucleic acid (II) which can bind the same DP as (I) but has, in the probe-binding region, at least on difference with respect to (I). This means that (I)-DP and (II)-DP have different melting points, where the difference is large enough for both products to be distinguished from the other. An independent claim is also included for a kit containing a nucleic acid (IIa), especially a negative control for detection of (I); system of one or more oligonucleotide probes to which (IIa) can bind and which contain a detectable reporter group which changes depending on whether the probe is bound to nucleic acid or not, where (IIa) has, in at least one probe-binding site, at least one incorrect base, with respect to the probe sequence.

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