

Title: A process for detecting nucleic acid target molecules using an enzyme-linked probe capture assay and a kit therefor

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Abstract:

The present invention relates to a process, and a kit therefor, for detecting a nucleic acid target molecule, which comprises the following steps:(A) capturing the nucleic acid molecule with a capture probe so as to immobilise the nucleic acid target molecule, wherein the capture probe includes:(i) a nucleic acid sequence complementary to at least a portion of the nucleic acid target molecule; and (ii) a label for binding to an immobiliser;(B) allowing a detection probe to bind to the immobilised nucleic acid target molecule in step (A), wherein the detection probe includes:(i') a nucleic acid sequence complementary to at least a portion of the nucleic acid target molecule; and(ii') a label for binding to a signal generator;(C) generating and detecting the signal. The process of the invention provides a sensitive and specific but user-friendly method for detecting nucleic acid molecules.

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