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(54) Title: DETECTION OF HYDROPHOBIC AMPLIFICATION PRODUCTS BY EXTRACTION INTO AN ORGANIC PHASE

(57) Abstract

Amplification of a target sequence is detected qualitatively or quantitatively by concurrent generation of secondary amplification products labeled with a lipophilic label. The secondary amplification products are designed such that they are generated and cleaved or nicked in a target amplification-dependent manner. This reduces the number of hydrophilic nucleotides linked to the lipophilic label and allows the cleaved or nicked secondary amplification product comprising the lipophilic label to be transferred from the aqueous reaction phase to an organic phase for detection as an indicator of target amplification.

