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(54) Title: MULTIPLEXED QUANTITATIVE DETECTION OF PATHOGENS

(57) Abstract: The invention allows for the quantitative detection of a plurality of pathogens in a single sample. The method includes the amplification of a sample with a plurality of pathogen-specific primer pairs to generate amplicons of distinct sizes from each of the pathogen specific primer pairs. The method further includes the use of a plurality of competitor polynucleotide targets that correspond to each of the pathogen-specific primer pairs. The competitor polynucleotides are added to the reaction mixture at a known concentration to allow for the quantitation of the amount of pathogen in the sample. The method can be used for monitoring pathogen infection in an individual, preferably an immunocompromised individual.

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