

Title (en)

METHODS AND SYSTEMS FOR RAPID DETECTION OF MICROORGANISMS USING INFECTIOUS AGENTS

Title (de)

VERFAHREN UND SYSTEME ZUM SCHNELLEN NACHWEIS VON MIKROORGANISMEN ANHAND VON INFEKTIONSERREGERN

Title (fr)

PROCÉDÉS ET SYSTÈMES DE DÉTECTION RAPIDE DE MICRO-ORGANISMES AU MOYEN D'AGENTS INFECTIEUX

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Application

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Abstract (en)

[origin: WO2017127434A1] Disclosed herein are methods and systems for rapid detection of microorganisms in a sample. A genetically modified bacteriophage is also disclosed which comprises an indicator gene in the late gene region. The specificity of the bacteriophage, such as CBA120, allows detection of a specific microorganism, such as E.coli O157:H7, and an indicator signal may be amplified to optimize assay sensitivity.

IPC 8 full level

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