

Title (en)

QUALITY ENSUREMENT SYSTEM FOR DETECTING MICROORGANISMS

Title (de)

QUALITÄTSSICHERUNGSSYSTEM ZUM NACHWEIS VON MIKROORGANISMEN

Title (fr)

SYSTEME D'ASSURANCE QUALITE PERMETTANT DE DECELER DES MICRO-ORGANISMES

Publication

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Application

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Abstract (en)

[origin: WO2005087944A1] The invention relates to a quality ensurement system for detecting reproducible microorganisms, comprising a) a system for enriching microorganisms in a sample in an over-night culture corresponding to 8-24 hours of cultivation in standard conditions according to international pharmaceutical statutes, food statutes and cosmetic laws or according to usual market indirect methods; b) a kit for detecting living, damaged or dead microorganisms in filterable and/or non-filterable samples or products, containing i) at least one reagent containing an inductor and a fluorescent reagent which leads to the formation of a specific enzyme in the case of living cells, released a fluorescent dye by means of reaction with a specific fluorescent dye reagent, said dye being detectable; ii) at least one nucleic acid probe for detecting microorganisms by in-situ hybridization, wherein the nucleic acid probe is bound to a fluorescent marker, wherein a detection limit < 10 CFU/g of is obtained for reproducible microorganisms. The invention also relates to the use of the inventive quality ensurement system and to a method for detecting living, damaged or dead microorganisms in filterable and/or non-filterable samples or products using the inventive quality ensurement system.

IPC 8 full level

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