

Title (en)
RAPID DETECTION AND IDENTIFICATION OF MICRO-ORGANISMS

Title (de)
SCHNELLE DETECTION UND IDENTIFIZIERUNG VON MIKROORGANISMEN

Title (fr)
DETECTION ET IDENTIFICATION RAPIDES DE MICRO-ORGANISMES

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Abstract (en)
[origin: WO9910533A1] The invention relates to the field microbiology, more specifically to the field of detection, identification and quantification or enumeration of micro-organisms. Micro-organisms, such as viruses, plasmids, bacteria, yeasts, fungi, algae, protozoa, plant or animal cells, and other prokaryotic or eukaryotic cells are in general unicellular organisms with dimensions beneath the limits of vision which thus escape easy detection. The invention provides methods and means for use in situ staining of micro-organisms comprising: a) mixing a material containing at least one micro-organism with a composition which can (partly) degrade a cell wall or cell membrane of a micro-organism thereby allowing for penetration through said wall and/or membrane of a (labelled) probe into said micro-organism, b) fixing said micro-organism with a fixative to retain its individual corpuscular character, c) reacting said probe with an antigen or nucleic acid molecule present in said micro-organism and d) detecting the presence of said probe in said micro-organism.

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