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Chemical disinfectants and antiseptics — Information on the preparation of spores and determination/exclusion of sporistatical activity

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English Version

Chemical disinfectants and antiseptics - Information on the preparation of spores and determination/exclusion of sporistatical activity

Antiseptiques et désinfectants chimiques ¿ Informations sur la préparation des spores et détermination/délimitation de l'effet sporistatique

Chemische Desinfektionsmittel und Antiseptika - Informationen zur Aufbereitung von Sporen und Bestimmung/Abgrenzung der sporistatischen Wirkung

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European foreword

This document (CEN/TR 18010:2023) has been prepared by Technical Committee CEN/TC 216 "Chemical disinfectants and antiseptics", the secretariat of which is held by AFNOR.

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Introduction

In the past, spore production has led to the following problems:

Chemical susceptibility of *B. cereus* and *B. subtilis* spore suspensions prepared according EN 13704 and EN 17126 did not comply with the specified requirements/lg-reductions due to the lack of buffering of the glutardialdehyde. In the updated version of EN 13704 a check of the chemical susceptibility for *C. sporogones* with reference substances is missing. Data for Glutardialdehyde (GA) and Peracetic acid (PAA) have to be collected and included in a revised EN 13704.

These problems can be avoided if the following notes and information are taken into account.

The chemical susceptibility test of *C. difficile* spore suspension at EN 17126 is unchanged and included for completeness of this technical report.

Also a test method to differentiate between sporicidal and sporistatical activity of a product which is included in EN 14347, is missing in EN 13704 and EN 17126. Thus, an additional control to determine/exclude a sporistatical activity is included.

This information will be taken into account in the revision of EN 17126 and EN 13704 or will be included in the revision of EN 12353 and then referenced in the two standards mentioned.

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