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BSI Standards Publication

**Chemical disinfectants and antiseptics –
Quantitative suspension test for the evaluation
of fungicidal or yeasticidal activity of chemical
disinfectants and antiseptics used in food,
industrial, domestic and institutional areas – Test
method and requirements (phase 2, step 1)**

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National foreword

This British Standard is the UK implementation of EN 1650:2019. It supersedes BS EN 1650:2008+A1:2013, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee CH/216, Chemical disinfectants and antiseptics.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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Amendments/corrigenda issued since publication

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English Version

Chemical disinfectants and antiseptics - Quantitative suspension test for the evaluation of fungicidal or yeasticidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas - Test method and requirements (phase 2, step 1)

Antiseptiques et désinfectants chimiques - Essai quantitatif de suspension pour l'évaluation de l'activité fongicide ou levuricide des antiseptiques et des désinfectants chimiques utilisés dans le domaine de l'agro-alimentaire, dans l'industrie, dans les domaines domestiques et en collectivité - Méthode d'essai et prescriptions (phase 2, étape 1)

Chemische Desinfektionsmittel und Antiseptika - Quantitativer Suspensionsversuch zur Bestimmung der fungiziden oder levuroziden Wirkung chemischer Desinfektionsmittel und Antiseptika in den Bereichen Lebensmittel, Industrie, Haushalt und öffentliche Einrichtungen - Prüfverfahren und Anforderungen (Phase 2, Stufe 1)

This European Standard was approved by CEN on 10 June 2019.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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Contents		Page
European foreword		4
Introduction		5
1	Scope	6
2	Normative references	7
3	Terms and definitions	7
4	Requirements	7
5	Test method	9
5.1	Principle	9
5.2	Materials and reagents	10
5.2.1	Test organisms	10
5.2.2	Culture media and reagents	10
5.3	Apparatus and glassware	13
5.4	Preparation of test organism suspensions and product test solutions	14
5.4.1	Test organism suspensions (test and validation suspension)	14
5.4.2	Product test solutions	18
5.5	Procedure for assessing the fungicidal or yeasticidal activity of the product	19
5.5.1	General	19
5.5.2	Dilution-neutralization method	20
5.5.3	Membrane filtration method	22
5.6	Experimental data and calculation	24
5.6.1	Explanation of terms and abbreviations	24
5.6.2	Calculation	25
5.7	Verification of methodology	28
5.7.1	General	28
5.7.2	Control of weighted mean counts	28
5.7.3	Basic limits	28
5.7.4	Microscopic observation	28
5.8	Expression of results and precision	29
5.8.1	Reduction	29
5.8.2	Control of active and non-active product test solution (5.4.2)	29
5.8.3	Limiting test organism and fungicidal/yeasticidal concentration	29
5.8.4	Precision, replicates	29
5.9	Interpretation of results - conclusion	30
5.9.1	General	30
5.9.2	Fungicidal activity for general purposes	30
5.9.3	Yeasticidal activity for general purposes	30
5.9.4	Yeasticidal activity for hand hygiene	30
5.10	Test report	30
Annex A (informative) Referenced strains in national collections		32
Annex B (informative) Examples of neutralizers of the residual antimicrobial activity of chemical disinfectants and antiseptics and rinsing liquids		33
Annex C (informative) Graphical representations of dilution-neutralization method and membrane filtration method		35

This is a preview of "BS EN 1650:2019". [Click here to purchase the full version from the ANSI store.](#)

Annex D (informative) Example of a typical test report	39
Annex E (informative) Precision of the test result	44
Bibliography	47

This is a preview of "BS EN 1650:2019". [Click here to purchase the full version from the ANSI store.](#)

European foreword

This document (EN 1650:2019) has been prepared by Technical Committee CEN/TC 216 "Chemical disinfectants and antiseptics", the secretariat of which is held by AFNOR.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by February 2020 and conflicting national standards shall be withdrawn at the latest by February 2020.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 1650:2008+A1:2013.

Data obtained by using the latest version of EN 1650:2008+A1:2013 are still valid.

The main changes in relation to EN 1650:2008+A1:2013 are:

- inclusion of hand hygiene;
- handrub and handwash test conditions and test requirements have been harmonized with EN 13624;
- interfering substance for breweries, soft drinks, cosmetics and cleaning in place have been deleted. A sentence to allow additional interfering substance for specific applications has been added;
- the obligatory conditions (temperature and contact time) have been deleted. The text has been harmonized with EN 13624 keeping specified time intervals and temperature steps.

According to the CEN-CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

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Introduction

This European Standard describes a suspension test for establishing whether a chemical disinfectant or antiseptic has or does not have a fungicidal or yeasticidal activity in the fields described in the scope.

This laboratory test takes into account practical conditions of application of the product including contact time, temperature, test organisms and interfering substance, i.e. conditions which may influence its action in practical situations.

The conditions are intended to cover general purposes and to allow reference between laboratories and product types. Each utilization concentration of the chemical disinfectant or antiseptic found by this test corresponds to defined experimental conditions. However, for some applications the recommendations of use of a product may differ and therefore additional test conditions should be used.

1 Scope

This document specifies a test method and the minimum requirements for fungicidal or yeasticidal activity of chemical disinfectant and antiseptic products that form a homogeneous, physically stable preparation when diluted with hard water or - in the case of ready-to-use-products - with water. Products can only be tested at a concentration of 80 % or less as some dilution is always produced by adding the test organisms and interfering substance.

This document applies to products that are used in food, industrial, domestic and institutional areas excluding areas and situations where disinfection is medically indicated and excluding products used on living tissues except those for hand hygiene in the above considered areas. The following areas are at least included:

a) processing, distribution and retailing of:

1) food of animal origin:

- milk and milk products;
- meat and meat products;
- fish, seafood, and related products;
- eggs and egg products;
- animal feeds;
- etc.

2) food of vegetable origin:

- beverages;
- fruits, vegetables and derivatives (including sugar, distillery ...);
- flour, milling and baking;
- animal feeds;
- etc.

b) institutional and domestic areas:

- catering establishments;
- public areas;
- public transports;
- schools;
- nurseries;
- shops;
- sports rooms;
- waste containers (bins ...);
- hotels;
- dwellings;
- clinically non-sensitive areas of hospitals;
- offices;
- etc.