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BS EN 1500:2013



BSI Standards Publication

Chemical disinfectants and antiseptics — Hygienic handrub — Test method and requirements (phase 2/step 2)

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This British Standard is the UK implementation of EN 1500:2013. It supersedes BS EN 1500:1997 which is withdrawn.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.

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Chemical disinfectants and antiseptics - Hygienic handrub - Test method and requirements (phase 2/step 2)

Antiseptiques et désinfectants chimiques - Traitement hygiénique de mains par frictions - Méthode d'essai et prescriptions (phase 2/étape 2)

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Contents

Page

Foreword.....	3
1 Scope	4
2 Normative references	4
3 Terms and definitions	4
4 Requirements	4
5 Test method.....	4
5.1 Principle.....	4
5.2 Materials and reagents.....	5
5.2.1 Test organism	5
5.2.2 Culture media and reagents	5
5.3 Apparatus and glassware	8
5.3.1 General.....	8
5.3.2 Usual microbiological laboratory equipmentand, in particular, the following:	8
5.4 Preparation of test organism suspensions and product test solutions	9
5.4.1 Test organism suspensions (test and validation suspension).....	9
5.4.2 Product test solutions.....	11
5.5 Procedure for assessing the bactericidal activity of the product on volunteers' hands	11
5.5.1 General.....	11
5.5.2 Neutralization – control and validation	12
5.5.3 Test procedure with volunteers	13
5.5.4 Incubation and counting of the test mixture and the control and validation mixtures	15
5.6 Experimental data and calculation.....	15
5.6.1 Explanation of terms and abbreviations	15
5.6.2 Calculation.....	15
5.7 Verification of the methodology - Test validation	18
5.7.1 Acceptance criteria for test results.....	18
5.7.2 Control of weighted mean counts.....	19
5.7.3 Basic limits.....	19
5.8 Statistical evaluation (significance testing), expression of results and precision	19
5.9 Conclusion	19
5.10 Test report	20
Annex A (normative) Standard handrub procedure	22
Annex B (informative) Neutralizers and rinsing liquids	23
Annex C (informative) Control and validation of neutralization	25
Annex D (informative) Quality control of soft soap	26
Annex E (informative) Examples of reporting of results and significance testing.....	27
Annex F (normative) Test for non-inferiority	35
Bibliography	37

This is a preview of "BS EN 1500:2013". [Click here to purchase the full version from the ANSI store.](#)

Foreword

This document (EN 1500:2013) 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 October 2013, and conflicting national standards shall be withdrawn at the latest by October 2013.

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

This document supersedes EN 1500:1997.

This document was revised to adapt it to the latest state of science, to correct errors and ambiguities, to harmonise the structure and wording with other tests of CEN/TC 216 existing or in preparation and to improve the readability of the standard and thereby make it more understandable.

The following technical changes have been made:

- Neutralization (5.5.1.2).
- The number of volunteers (5.5.1.4).
- The statistical evaluation (5.8).
- The annexes have been completely revised.

Data obtained using the former version of EN 1500 may still be used, if it is supplemented by data on neutralization, additional results from more volunteers and the new statistical evaluation of the "mixed" (old and new) set of data. The additional results will be obtained preferably in the same laboratory and with volunteers not having participated in the previous ("old") study. If the neutralizer used in the test using the former version is not sufficiently neutralizing, a complete new test will be run. The changed procedure in Annex A is regarded as having no (or negligible) influence on the results.

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, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

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1 Scope

This European Standard specifies a test method simulating practical conditions for establishing whether a product for hygienic handrub reduces the release of transient microbial flora on hands when rubbed onto the artificially contaminated hands of volunteers.

NOTE 1 Attention is drawn to the fact that tests on human volunteers are the subject of legal provisions in certain European countries/regions.

This European Standard applies to products for hygienic handrub for use in areas and situations where disinfection is medically indicated. Such indications occur in patient care, for example:

- in hospitals, in community medical facilities and in dental institutions,
- in clinics of schools, of kindergartens and of nursing homes;

and may occur in the workplace and in the home. It may also include services such as laundries and kitchens supplying products directly for the patient.

EN 14885 specifies in detail the relationship of the various tests to one another and to “use recommendations”.

NOTE 2 This method corresponds to a phase 2, step 2 test.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 12353, *Chemical disinfectants and antiseptics — Preservation of test organisms used for the determination of bactericidal (including Legionella), mycobactericidal, sporicidal, fungicidal and virucidal (including bacteriophages) activity*

EN 14885, *Chemical disinfectants and antiseptics — Application of European Standards for chemical disinfectants and antiseptics*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 14885 apply.

4 Requirements

When tested in accordance with Clause 5, the mean reduction of the release of the test organism *Escherichia coli* K12 achieved by the hygienic handrub with the product under test shall be at least not inferior to that achieved by a specified reference hygienic handrub (60 % volume concentration of propan-2-ol).

5 Test method

5.1 Principle

Hands of volunteers are artificially contaminated with test organisms. The number of test organisms released from their fingertips into sampling fluids is assessed before and after the hygienic handrub. The ratio of the