Dentistry - Materials used for dental equipment surfaces - Determination of resistance to chemical disinfectants

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN ISO 21530:2004 sisaldab Euroopa standardi EN ISO 21530:2004 ingliskeelset teksti.

Käesolev dokument on jõustatud 23.09.2004 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.

Standard on kättesaadav Eesti standardiorganisatsioonis

This Estonian standard EVS-EN ISO 21530:2004 consists of the English text of the European standard EN ISO 21530:2004.

This document is endorsed on 23.09.2004 with the notification being published in the official publication of the Estonian national standardisation organisation.

The standard is available from Estonian standardisation organisation.

Käsitlusala:

This International Standard specifies test methods for determining the resistance to chemical disinfectants of all materials used for external surfaces of dental equipment intended for such disinfection. Three test methods are specified: an immersion test, a spray test and a contact test. The choice of test method to be used test. The choice of test method to be used is left to the discretion of the party conducting the testing. This International Standard does not address the bactericidal, virucidal and fungicidal effectivity of the disinfectants. This International Standard does not provide for testing the possible detrimental effects of applied stress on the resistance of test materials to the test reagents.

Scope:

This International Standard specifies test methods for determining the resistance to chemical disinfectants of all materials used for external surfaces of dental equipment intended for such disinfection. Three test methods are specified: an pimmersion test, a spray test and a contact is left to the discretion of the party conducting the testing. This International Standard does not address the bactericidal, virucidal and fungicidal effectivity of the disinfectants. This International Standard does not provide for testing the possible detrimental effects of applied stress on the resistance of test materials to the test reagents.

ICS 11.060.20

Võtmesõnad:

EUROPEAN STANDARD NORME EUROPÉENNE EUROPÄISCHE NORM

June 2004

11.060.20

English version

Dentistry

Materials used for dental equipment surfaces

Determination of resistance to chemical disinfectants (ISO 21530: 2004)

Art dentaire - Matériaux utilisés pour les surfaces du matériel dentaire - Détermination de la résistance aux désinfectants chimiques (150 21530 : 2003)

Zahnheilkunde - Materialien für Oberflächen von zahnärztlichen Ausrüstungen - Bestimmung der Beständigkeit gegen chemische Desinfektionsmittel (ISO 21530 : 2004)

This European Standard was approved by CEN on 2004-06-07.

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 Management Centre or to any CEN member.

The European Standards exist 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 Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland, and 600 the United Kingdom.

European Committee for Standardization Comité Européen de Normalisation Europäisches Komitee für Normung

Management Centre: rue de Stassart 36, B-1050 Brussels

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EN ISO 21530: 2004

Foreword

International Standard

ISO 21530: 2004 Dentistry - Materials used for dental equipment surfaces - Determination of resistance to chemical disinfectants,

which was prepared by ISO/TC 106 'Dentistry' of the International Organization for Standardization, has been adopted by Technical Committee CEN/TC 55 'Dentistry' the Secretariat of which is held by DIN, as a European Standard.s

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, and conflicting national standards withdrawn, by December 2004 at the latest.

In accordance with the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard:

Austria, Belgium, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland, and the United Kingdom.

Endorsement notice

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ard i. The text of the International Standard ISO 21530 : 2004 was approved by CEN as a European Standard without any modification.

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EN ISO 21530: 2004

Introduction

All materials used for external and touchable surfaces of dental equipment which can be contaminated by aerosols, splatters and droplets in normal use should be capable of undergoing disinfection without deterioration or discoloration when using the relevant disinfectant agent recommended by the manufacturer of the dental equipment.

1 Scope

This International Standard specifies test methods for determining the resistance to chemical disinfectants of all materials used for external surfaces of dental equipment intended for such disinfection.

Three test methods are specified: an immersion test, a spray test and a contact test. The choice of test method to be used is left to the discretion of the party conducting the testing.

This International Standard does not address the bactericidal, virucidal and fungicidal effectivity of the disinfectants.

This International Standard does not provide for testing the possible detrimental effects of applied stress on the resistance of test materials to the test reagents.

2 Normative references

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

ISO 554, Standard atmospheres for conditioning and/or testing — Specifications

ISO 1942, Dentistry — Vocabulary

ISO 2812-1, Paints and varnishes — Determination of resistance to liquids — Part 1: General methods

ISO 3585, Borosilicate glass 3.3 — Properties

ISO 3696:1987, Water for analytical laboratory use — Specification and test methods

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 1942 apply

4 Sampling

All tests described in this International Standard are type tests.

As far as possible, carry out all tests on a representative test specimen of the material from the dental equipment. Where possible, use flat slabs as test specimens. One of the following options shall be used.

- a) Use new parts of dental equipment.
- b) If this is not possible, use standard exemplars and test specimens made of semi-finished products (e.g. slabs, plates, or round material).