

SLOVENSKI STANDARD **SIST EN ISO 15193:2009**

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In vitro diagnostic medical devices - Measurement of quantities in samples of biological origin - Requirements for content and presentation of reference measurement procedures (ISO 15193:2009)

In-vitro-Diagnostika - Messung von Größen in Proben biologischen Ursprungs -Anfor-derungen Inhalt und Aufbereitung von Referenzmessverfahren (ISO 15193:2009)

Dispositifs médicaux de diagnostic in vitro - Mesurage des grandeurs dans des échantillons d'origine biologique : Exigences relatives au contenu et a la présentation des modes opératoires de mesure de référence (ISO 15193:2009)

Ta slovenski standard je istoveten z: EN ISO 15193:2009

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EUROPEAN STANDARD

EN ISO 15193

NORME EUROPÉENNE EUROPÄISCHE NORM

May 2009

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English Version

In vitro diagnostic medical devices - Measurement of quantities in samples of biological origin - Requirements for content and presentation of reference measurement procedures (ISO 15193:2009)

Dispositifs médicaux de diagnostic in vitro - Mesurage des grandeurs dans des échantillons d'origine biologique -Exigences relatives au contenu et à la présentation des procédures de mesure de référence (ISO 15193:2009) In-vitro-Diagnostika - Messung von Größen in Proben biologischen Ursprungs - Anforderungen an den Inhalt und die Darstellung von Referenzmessverfahren (ISO 15193:2009)

This European Standard was approved by CEN on 16 April 2009.

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 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 Management Centre has the same status as the official versions.

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



EUROPEAN COMMITTEE FOR STANDARDIZATION COMITÉ EUROPÉEN DE NORMALISATION EUROPÄISCHES KOMITEE FÜR NORMUNG

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EN ISO 15193:2009 (E)

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EN ISO 15193:2009 (E)

Foreword

This document (EN ISO 15193:2009) has been prepared by Technical Committee CEN/TC 140 "In vitro diagnostic medical devices", the secretariat of which is held by DIN, in collaboration with Technical Committee ISO/TC 212 "Clinical laboratory testing and in vitro diagnostic test systems".

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 November 2009, and conflicting national standards shall be withdrawn at the latest by November 2009.

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 has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EC Directive.

For relationship with EC Directive, see informative Annex ZA, which is an integral part of this document.

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

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Annex ZA (informative)

Relationship between this International Standard and the Essential Requirements of EU Directive 98/79

This International Standard has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association to provide one means of conforming to Essential Requirements of the New Approach Directive 98/79.

Once this standard is cited in the Official Journal of the European Communities under that Directive and has been implemented as a national standard in at least one Member State, compliance with the normative clauses of this standard confers, within the limits of the scope of this standard, a presumption of conformity with the corresponding Essential Requirements of that Directive and associated EFTA regulations.

WARNING: Other requirements and other EU Directives may be applicable to the products falling within the scope of this standard.

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INTERNATIONAL STANDARD

ISO 15193

Second edition 2009-05-01

In vitro diagnostic medical devices — Measurement of quantities in samples of biological origin — Requirements for content and presentation of reference measurement procedures

Dispositifs médicaux de diagnostic in vitro — Mesurage des grandeurs dans des échantillons d'origine biologique — Exigences relatives au contenu et à la présentation des procédures de mesure de référence (standards.iten.al)



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ISO 15193:2009(E)

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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

ISO 15193 was prepared by the European Committee for Standardization (CEN) Technical Committee CEN/TC 140, In vitro diagnostic medical devices, in collaboration with Technical Committee ISO/TC 212, Clinical laboratory testing and in vitro diagnostic test systems, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO 15193:2002), which has been technically revised.

ISO 15193:2009(E)

Introduction

Reference measurement systems are needed to produce useful and reliable measurement results, whether in science, technology or routine service, so as to be comparable and ultimately metrologically traceable to measurement units and/or measurement standards and/or measurement procedures of the highest metrological level. Reference measurement procedures play a crucial role in this metrological system because they can be used for the following:

- a) in assessing performance properties of measuring systems comprising measuring instruments, auxiliary equipment as well as reagents,
- b) in demonstrating if there is a functional interchangeability of different routine measurement procedures purporting to measure the same quantity,
- c) in assigning quantity values to reference materials that are then used for purposes of calibration or trueness control of routine measurement procedures, and
- d) in detecting analytical influence quantities in patient samples.

For medical laboratory measurements, in particular, it is vitally important to both patient care and health screening that the measurement results reported to the physicians and patients are adequately comparable, reproducible and accurate. In some cases, it is advisable that a reference measurement procedure be given in the form of a standard, namely when it is related to technical requirements:

- that are specified in standards, technical specifications, or technical regulations, etc.,
- for which quantity values are to be stated by the supplier, and
- that have a direct relationship to the performance of a product or process.

The advantages of having such a standard are listed in ISO/IEC Guide 15.

In Clause 3 of this International Standard, concepts are indicated by italicized text.

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