



SLOVENSKI STANDARD
SIST EN ISO 1564:2000
01-januar-2000

Dental aqueous impression materials based on agar (ISO 1564:1995)

Dental aqueous impression materials based on agar (ISO 1564:1995)

Dentale Abformmassen auf Agarbasis (ISO 1564:1995)

Produits dentaires hydrauliques pour empreintes a base d'agar-agar (ISO 1564:1995)

Ta slovenski standard je istoveten z: EN ISO 1564:1998

[SIST EN ISO 1564:2000](https://standards.iteh.ai/catalog/standards/sist/d122f071-2d00-4af2-a3fc-0d79119ce48e/sist-en-iso-1564-2000)

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ICS:

11.060.10 Z[à [c @ ã } ã æ | ä ã Dental materials

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 1564

November 1998

ICS 11.060.10

Supersedes EN 21564:1990

Descriptors: see ISO document

English version

Dental aqueous impression materials based on agar (ISO
1564:1995)

Produits dentaires hydrauliques pour empreintes à base
d'agar-agar (ISO 1564:1995)

Dentale Abformmassen auf Agarbasis (ISO 1564:1995)

This European Standard was approved by CEN on 20 November 1998.

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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

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CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

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

Central Secretariat: rue de Stassart, 36 B-1050 Brussels

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Foreword

The text of the International Standard from Technical Committee ISO/TC 106 "Dentistry" of the International Organization for Standardization (ISO) has been taken over as an European Standard by Technical Committee CEN/TC 55 "Dentistry", the secretariat of which is held by DIN.

This European Standard replaces EN 21564:1990.

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 May 1999, and conflicting national standards shall be withdrawn at the latest by May 1999.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

Endorsement notice

The text of the International Standard ISO 1564:1995 has been approved by CEN as a European Standard without any modification.

NOTE: Normative references to International Standards are listed in annex ZA (normative).

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Annex ZA (normative)
**Normative references to international publications
with their relevant European publications**

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN</u>	<u>Year</u>
ISO 6873	1983	Dentistry - Dental gypsum products	EN 26873	1991
ISO 7405	1997	Dentistry - Preclinical evaluation of biocompatibility of medical devices used in dentistry - Test methods for dental materials	EN ISO 7405	1997

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INTERNATIONAL
STANDARD

ISO
1564

Second edition
1995-11-01

**Dental aqueous impression materials
based on agar**

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Produits dentaires hydrauliques pour empreintes à base d'agar-agar

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Reference number
ISO 1564:1995(E)

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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.

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.

International Standard ISO 1564 was prepared by Technical Committee ISO/TC 106, *Dentistry*, Subcommittee SC 2, *Prosthetic materials*.

This second edition cancels and replaces the first edition (ISO 1564:1976) to which the following changes were made:

- The materials are now classified according to consistencies and purposes.
- The requirement for odour and flavour has been deleted due to lack of an appropriate test. However, it is recognized that the impression material, when handled in accordance with the manufacturer's instructions should have no unpleasant odour or flavour attributable to spoilage or contamination.
- A requirement and an accompanying test for tear resistance replaces the test for compressive strength because the tear test has been judged to be more significant to clinical performance of the agar materials, especially in relation to impressions for fixed prosthodontics.
- Requirements and tests for consistency and extrusion temperatures have been added.
- Designs for the apparatus used in the detail reproduction, compatibility with gypsum, recovery from deformation (permanent deformation), and strain-in-compression tests have been improved in the interest of obtaining more objective test results and to make the tests easier to conduct.
- A requirement relative to antimicrobial characteristics has been added.
- A requirement for manufacturers to identify gypsum products which have been found to be compatible with their impression materials has been added.

- The previous edition specified that most of the pass/fail determinations made for the materials being tested were to be based on averaged values calculated for two or more specimens. Pass/fail determinations made in accordance with this edition are based on the concept that results for each specimen should be compared with the specified performance limit in a separate pass/fail exercise.

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