



BSI Standards Publication

Traditional Chinese medicine — Computerized tongue image analysis system

Part 4: Peripheral visual instruments

National foreword

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**Traditional Chinese medicine —
Computerized tongue image
analysis system —**

**Part 4:
Peripheral visual instruments**

*Médecine traditionnelle chinoise — Système d'analyse d'images
numérisées de la langue —*

Partie 4: Instruments visuels périphériques





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ISO copyright office
Ch. de Blandonnet 8 • CP 401
CH-1214 Vernier, Geneva, Switzerland
Tel. +41 22 749 01 11
Fax +41 22 749 09 47
copyright@iso.org
www.iso.org

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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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 249, *Traditional Chinese medicine*.

A list of all parts in the ISO 20498 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Traditional Chinese medicine — Computerized tongue image analysis system —

Part 4: Peripheral visual instruments

1 Scope

This document specifies the performance criteria of peripheral visual instruments in the computerized tongue image analysis system (CTIS), including colour reproduction, distortion and resolution.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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/TS 20498-3, *Computerized tongue image analysis system — Part 3: Colour chart*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <http://www.electropedia.org/>

3.1

peripheral visual instrument

device which includes computer display drive used in CTIS

Note 1 to entry: Display drive includes graphics, display drive software and related colour reproduction software

3.2

colour reproduction

ability to accurately reproduce the colour of the object

3.3

CIELAB colour difference

CIE 1976 L*a*b* colour difference

ΔE_{ab}^*

difference between two colour stimuli defined as the Euclidean distance between the points representing them in L*a*b* colour space

[SOURCE: CIE 17.4:1987, 845-03-55]

3.4

display resolution

number of distinct pixels displayed in each dimension