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

Part 2:  
**Light environment**

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

*Partie 2: Environnement lumineux*



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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](http://www.iso.org/directives)).

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. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see [www.iso.org/patents](http://www.iso.org/patents)).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on 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 the following URL: [www.iso.org/iso/foreword.html](http://www.iso.org/iso/foreword.html).

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

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

# Traditional Chinese medicine — Computerized tongue image analysis system —

## Part 2: Light environment

### 1 Scope

This document specifies the light environment necessary for the functioning of a computerized tongue image analysis system (CTIS).

This document does not include the electrical safety and biocompatibility of the lighting component.

### 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.

CIE 013.3-1995, *Method of measuring and specifying colour rendering properties of light sources*

### 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:

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

#### 3.1

##### **effective surface area**

surface on which the patient rests according to the intended position

Note 1 to entry: The area can be specified in the accompanying documents.

#### 3.2

##### **light environment**

optical conditions on effective surface area

Note 1 to entry: This includes illuminance, colour temperature, colour rendering index, illumination distribution, irradiance and ultraviolet irradiance.

### 4 Technical requirements

#### 4.1 Illuminance

Illuminance should be between 500 lx and 13 000 lx.