
**In vitro diagnostic medical devices —
Information supplied by the
manufacturer with in vitro diagnostic
reagents for staining in biology**

*Dispositifs médicaux de diagnostic in vitro — Informations fournies
par le fabricant avec les réactifs de coloration de diagnostic in vitro
utilisés en biologie*



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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.

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 19001 was prepared by Technical Committee ISO/TC 212, *Clinical laboratory testing and in vitro diagnostic test systems*.

This second edition cancels and replaces the first edition (ISO 19001:2002), which has been technically revised.

Introduction

This International Standard relates to ISO 18113-1 and ISO 18113-2, which can be used in conjunction with it.

The use of reagents required for staining in biology as well as the specific examples of information supplied by the manufacturer for two staining procedures as provided in [Annex A](#) are based on a European consensus; they constitute the scientific justification for the requirements listed in [Clause 4](#). This information is intended to assist manufacturers, suppliers and vendors of dyes, stains, chromogenic reagents and other reagents used for staining in biology in complying with the required specific product data.

In vitro diagnostic medical devices — Information supplied by the manufacturer with in vitro diagnostic reagents for staining in biology

1 Scope

This International Standard specifies requirements for information supplied by the manufacturer with reagents used in staining in biology. It applies to producers, suppliers and vendors of dyes, stains, chromogenic reagents and other reagents used for staining in histology and cytology including bacteriology, haematology, histochemistry, as performed in medical laboratories, both routine and research bacteriology. The requirements for information supplied by the manufacturer specified in this International Standard are a prerequisite for achieving comparable and reproducible results in all fields of staining in biology.

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 80000-1, *Quantities and units — Part 1: General*

ISO 80000-9, *Quantities and units — Part 9: Physical chemistry and molecular physics*

ISO 18113-1, *In vitro diagnostic medical devices — Information supplied by the manufacturer (labelling) — Part 1: Terms, definitions and general requirements*

ISO 18113-2, *In vitro diagnostic medical devices — Information supplied by the manufacturer (labelling) — Part 2: In vitro diagnostic reagents for professional use*

3 Terms and definitions

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

3.1

antibody

specific immunoglobulin formed by B-lymphocytes in response to exposure to an immunogenic substance and able to bind to this

Note 1 to entry: The molecule of an immunogenic substance contains one or more parts with a characteristic chemical configuration, an epitope.

3.2

blocking reagent

reagent that is used to reduce the inherent background of a sample before staining

3.3

chromogenic reagent

reagent that reacts with certain chemical groups present or induced in cells and tissues with the formation of a coloured compound in situ

EXAMPLE Diazonium salt, Schiff's reagent.