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Foreword

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This document was prepared by Technical Committee ISO/TC 48, *Laboratory equipment*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 332, *Laboratory equipment,* in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO 10991:2009), which has been technically revised.

The main changes are as follows:

— title has been changed;

— several terms have been added to reflect the increased uptake of microfluidic technology.

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Microfluidics — Vocabulary

1 Scope

This document provides terms and definitions for micro process engineering and microfluidics applied in medical and veterinary diagnostics, chemistry, agriculture, pharmacy, biotechnology and the agrifood industry, as well as other application areas.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

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

— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at https://www.electropedia.org/

3.1 General terms, relevant to microfluidics

3.1.1
biocompatibility
special quality of some materials allowing them to come into contact with biological materials without changing the materials' bioactivity

3.1.2
biomarker
biological molecule found in blood, other body fluids or tissues that is used to identify a disease or monitor the progression of a disease

3.1.3
classification
method of sorting into categories

[SOURCE: ISO 5492:2008, 4.5]

3.1.4
end-user
person or persons who will ultimately be using the *system* (3.1.15) for its intended purpose

[SOURCE: ISO/IEC 19770-5:2015, 3.13, modified — Note 1 to entry has been removed.]

3.1.5
hydrophilic
characterised by affinity to water established by hydrogen bonding

3.1.6
hydrophobic
characterised by being repelled from a mass of water

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