TECHNICAL SPECIFICATION

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Sterilization of healthcare products — Microbiological methods— Guidance on conducting bioburden determinations and tests of sterility for biologics and tissue-based J),

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Foreword

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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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This document was prepared by Technical Committee ISO/TC 198, Sterilization of health care products.

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.

Introduction

The sources and types of some microorganisms, as well as the test methods used to evaluate biologics and tissue-based products, can be unique relative to other health care products, such as plastic and ice.
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document, metal medical devices. This document provides guidance to address issues that are applicable to the microbiological testing of biologics and tissue-based products, where this testing constitutes bioburden testing or a test of sterility performed in relation to product sterilization. Except where otherwise indicated in this document, the requirements in ISO 11737-1:2018 and ISO 11737-2:2019 apply.

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Sterilization of healthcare products — Microbiological methods— Guidance on conducting bioburden determinations and tests of sterility for biologics and tissue-based products

1 Scope

1.1 Inclusions

1.1.1 This document provides guidance for bioburden testing and tests of sterility for biologics and tissue-based products, where this testing is in relation to product sterilization.

NOTE This document is intended to be used in conjunction with ISO 11737-1 and ISO 11737-2.

1.1.2 Guidance in this document can be applicable to biologics and tissue-based products that are not sterile but are microbiologically controlled.

1.2 Exclusions

- **1.2.1** This document does not include guidance for validation requirements for testing, eliminating and/or inactivating viruses and prions or sterilization of tissue-based products.
- NOTE Guidance on inactivating viruses and prions can be found in ISO 22442-3.
- **1.2.2** This document does not include guidance for containment or biosafety issues for biologics and tissue-based products.
- **1.2.3** This document does not include guidance for testing biologics and tissue-based products for specific infectious agents as listed in relevant national or international guidance (e.g. viruses/protozoa/parasites, intracellular microorganisms or mycoplasma screening).
- **1.2.4** This document does not include guidance for the acceptance criteria for biologics and tissue-based products during procurement or tissue to be processed and/or released for use.
- **1.2.5** This document does not include guidance for the testing associated with procurement and screening of biologics and tissue-based products.

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 11737-1:2018, Sterilization of health care products — Microbiological methods — Part 1: Determination of a population of microorganisms on products

ISO 11737-2:2019, Sterilization of health care products — Microbiological methods — Part 2: Tests of sterility performed in the definition, validation and maintenance of a sterilization process