BUREAU OF INDIAN STANDARDS

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भारतीय मानक मसौदा

नैनोप्रौद्योगिकी — नैनोमटेरियल बायोड्यूरेबिलिटी का आकलन करने के लिए इन विट्रो परीक्षणों और पद्धतियों में अकोशिकीय का उपयोग और अनुप्रयोग (ISO/TR 19057:2017)

Draft Indian Standard

Nanotechnologies — Use and application of acellular in vitro tests and methodologies to assess nanomaterial biodurability

(ISO/TR 19057:2017)

[ICS: 07.120]

Medical Biotechnology and Medical Nanotechnology	Last Date for Comments:
Sectional Committee, MHD 20	23 June 2024

NATIONAL FOREWORD

(Adoption clause will be added later)

The text of ISO Standard has been approved as suitable for publication as an Indian Standard without deviations. Certain conventions are however not identical to those used in Indian Standards. Attention is particularly drawn to the following:

- a) Wherever the words 'International Standard' appear referring to this standard, they should be read as 'Indian Standard'.
- b) Comma (,) has been used as a decimal marker while in Indian Standards, the current practice is to use a point (.) as the decimal marker.

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Scope

This document reviews the use and application of acellular *in vitro* tests and methodologies implemented in the assessment of the biodurability of nanomaterials and their ligands in simulated biological and environmental media.

This document is intended to focus more on acellular *in vitro* methodologies implemented to assess biodurability and, therefore, excludes the general review of relevant literature on in vitro cellular or animal biodurability tests.

Note: The technical content of the document has not been included as it is identical with the corresponding ISO standard. For details, please refer to ISO/TR 19057:2017 or kindly contact:

Head (MHD) Bureau of Indian Standards Manak Bhawan 9, Bahadur Shah Zafar Marg New Delhi-110002

Email: hmhd@bis.gov.in; mhd@bis.gov.in