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**Biotechnology — Specification on  
data management and publication in  
microbial resource centers**

*Biotechnologie — Spécifications relatives à la gestion et à  
la publication des données au sein des centres de ressources  
microbiennes*

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# Contents

	Page
<b>Foreword</b> .....	<b>iv</b>
<b>Introduction</b> .....	<b>v</b>
<b>1 Scope</b> .....	<b>1</b>
<b>2 Normative references</b> .....	<b>1</b>
<b>3 Terms and definitions</b> .....	<b>1</b>
<b>4 Data publication in MRCs</b> .....	<b>5</b>
4.1 General requirements and recommendations for data publication.....	5
4.2 Data fields of catalogue.....	6
<b>5 Data management and data quality control</b> .....	<b>6</b>
5.1 General.....	6
5.2 Requirements for in-house data management.....	6
5.3 Data management for the patent deposit of microbial material and associated data.....	7
5.4 Data management requirements for the transfer and traceability of microbial material and associated data.....	7
5.5 Unique identifier of microbial material and associated data.....	8
5.6 Data quality control.....	9
5.6.1 General procedures and principles.....	9
5.6.2 Personnel responsibility and authority of data management.....	10
5.6.3 Data content and format checking.....	10
5.6.4 Recommendations for improving data interoperability.....	10
<b>Annex A (informative) Recommended data sets</b> .....	<b>12</b>
<b>Bibliography</b> .....	<b>24</b>

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## Foreword

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This document was prepared by Technical Committee ISO/TC 276, *Biotechnology*.

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## Introduction

The application of varied data forms in different microbial resource centres (MRCs) for in-house data management and publication is a major problem, which severely impedes efficient data exchange globally. It can also hinder depositors/users and potential users of MRCs from accessing their holdings and related information, and therefore impedes exploitation of microbial material and associated data in academia and bio-industries in the long run.

This document provides a set of data fields for data publication, aiming to improve data exchange of online catalogues among MRCs, by applying unique identifiers and a uniform data form. It also helps to facilitate subsequent access and benefit sharing based on microbial material and associated data.

This document also specifies requirements for data management and internal data quality control to improve the overall accuracy and reliability of data and information documented in MRCs, which is the basis of efficient data sharing and exchange.

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