

ISO 21710:2020 (E)

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

Contents

	Foreword
	Introduction
1	Scope
2	Normative references
3	Terms and definitions
4	Data publication in MRCs
4.1	General requirements and recommendations for data publication
4.2	Data fields of catalogue
5	Data management and data quality control
5.1	General
5.2	Requirements for in-house data management
5.3	Data management for the patent deposit of microbial material and associated data
5.4	Data management requirements for the transfer and traceability of microbial material and associated data
5.5	Unique identifier of microbial material and associated data
5.6	Data quality control
5.6.1	General procedures and principles
5.6.2	Personnel responsibility and authority of data management
5.6.3	Data content and format checking
5.6.4	Recommendations for improving data interoperability
Annex A	(informative) Recommended data sets
A.1	Name and taxonomy of microbial material
A.2	Strain administration
A.2.1	General
A.2.2	Deposit
A.2.3	Preservation
A.2.4	Distribution
A.3	Environment and history
A.3.1	Collection
A.3.2	Isolation
A.3.3	Identification
A.4	Biological interactions
A.5	Sexuality
A.6	Properties
A.7	Genotype and genetics
A.8	Growth conditions
A.9	Application
A.10	Bibliographic table