ISO 20309:2025-12 (E)

Biotechnology - Biobanking - Requirements for deep-sea biological material

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Termsanddefinitions 1

4 General requirements 2

5 Collection and processing of deep-sea biological material on a marine vessel 3
5.1 General 3
5.2 Deep-sea biological material collection plan 3
5.3 Preparation of deep-sea biological material processing 4
5.4 Deep-sea biological material collection 4
5.5 Deep-sea biological material processing on a marine vessel 4
5.6 Traceability of deep-sea biological material and associated data 5

6 Preservation of deep-sea biological material on a marine vessel 5
6.1 General 5
6.2 Preservation methods for downstream applications 5
6.2.1 General 5
6.2.2 Treatment methods for different deep-sea biological material 5

7 Transport 5
7.1 General 5
7.2 Packaging and transport 6

8 Storage 6
8.1 General 6
8.2 Storage conditions 6
8.3 Monitoring 6

9 Information collection 6

Annex A (informative) Examples of collection tools for different deep-sea biological material 8

Annex B (informative) Examples of preservation methods for different downstream applications 9

Annex C (informative) Examples of packaging methods and transport conditions for deep-sea biological material from different sources 11

Bibliography 12