

ISO 24480:2024-11 (E)

Biotechnology - Validation of database used for nucleotide sequence evaluation

| Contents | | Page |
|-----------------------|---|-------------|
| Foreword | | iv |
| Introduction | | v |
| 1 | Scope | 1 |
| 2 | Normative references | 1 |
| 3 | Terms and definitions | 1 |
| 4 | General | 3 |
| 5 | Common requirements of the database | 4 |
| 6 | Inclusivity database: database for inclusivity evaluation | 4 |
| 6.1 | Quality criteria | 4 |
| 6.2 | Requirements of an inclusivity database | 4 |
| 6.3 | Individual data quality indicators | 5 |
| 6.3.1 | Data provenance and updates | 5 |
| 6.3.2 | Length of the entries | 5 |
| 6.3.3 | Number of unidentified nucleotides (N) | 5 |
| 6.4 | Validation of the inclusivity database | 5 |
| 7 | Exclusivity database: Database for the exclusivity evaluation | 6 |
| 7.1 | Quality criteria | 6 |
| 7.2 | Requirements of the exclusivity database | 6 |
| 7.3 | Validation of the exclusivity database | 6 |
| 8 | Validation report | 7 |
| Annex A (informative) | Example of a data entry format | 9 |
| Annex B (informative) | Example for the validation of an inclusivity database (Inclusivity) | 10 |
| Annex C (informative) | Example on validation of an exclusivity database (Exclusivity) | 13 |
| Annex D (informative) | Example of use of an inclusivity database and an exclusivity database | 17 |
| Annex E (informative) | Example on dataset verification command for an inclusivity database | 23 |
| Bibliography | | 24 |