



TBS/AFDC 11 (2272) DTZS/ISO/TS 24420:2023

DRAFT TANZANIA STANDARD

Biotechnology - Massively parallel DNA sequencing - General requirements
for data processing of shotgun metagenomic sequence

TANZANIA BUREAU OF STANDARDS

NATIONAL FOREWORD

The Tanzania Bureau of Standards is a statutory national standards body for Tanzania established under the Act.No.3 of 1975, amended by Act.No.2 of 2009.

This draft Tanzania Standard is being prepared by the Biotechnology Technical Committee, under supervision of Agriculture and Food Standards Divisional Committee (AFDC)

This draft Tanzania standard illustrates the workflow of shotgun metagenomic sequence data processing of host derived microbiome and environmental metagenomes. It specifies the requirements for quality control of shotgun metagenomic sequence data processing for massively parallel DNA sequencing. It also provides guidelines for data directory, data archive and metadata for shotgun metagenomic sequence data.

This draft Tanzania standard applies to data storage; sharing and interoperability of shotgun metagenomic sequence data and to shotgun metagenomic sequence data processing and analyses, but excludes functional analysis.

This draft Tanzania standard is identical to the ISO/TS 24420:2023 Biotechnology - Massively parallel DNA sequencing - General requirements for data processing of shotgun metagenomic sequence, published by International Organization for Standardization.

TERMINOLOGY AND CONVENTIONS

This text of the international standards if found suitable, may be approved for application as a Tanzania Standard without deviations.

Some terminology and certain conventions are not identical with those used in Tanzania standards; attention is drawn especially to the following.

- 1) The comma has been used as a decimal marker for metric dimensions. In Tanzania standards, it is current practice to use a full point on the base line as the decimal marker.
- 2) Wherever the words “International Standard” appear, referring to this Standard they should read as “Tanzania Standard”.