Microbiology of food and animal feeding stuffs -Polymerase chain reaction (PCR) for the detection of food-borne pathogens - Requirements for sample preparation for qualitative detection
NATIONAL FOREWORD

The Tanzania Bureau of Standards is the statutory national standards body for Tanzania, formally established by the Act.No.3 of 1975, which was amended and repealed by Act.No.2 of 2009.

This Tanzania Standard has been prepared by the Microbiology Technical Committee, under the supervision of the Agriculture and Food Standards Divisional Committee (AFDC).

It is identical to ISO 20837:2006 - Microbiology of food and animal feeding stuffs - Polymerase chain reaction (PCR) for the detection of food-borne pathogens - Requirements for sample preparation for qualitative detection, published by International Organization for Standardization (ISO).

TERMINOLOGY AND CONVENTIONS

The text of the International standard is hereby being recommended for approval without deviation for publication as Tanzania standard.

Some terminologies 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 “full point” on the baseline as the decimal marker.

2) Where the words “International Standard(s)” appear, referring to this standard they should read “Tanzania Standard(s)”.

SCOPE

This International Standard provides criteria and examples for sample preparation in order to obtain PCR compatible samples or nucleic acids of suitable quality and quantity for PCR.

It provides a description of the general principles involved. References to standards concerning the enrichment of microorganisms are given in Annex A, and a detailed method for DNA extraction is given in Annex B.

This International Standard has been established for food matrices, but could also be applied to feed and agricultural/environmental matrices with some adaptations, if necessary.