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**Microbiology of food and animal feeding  
stuffs — Horizontal methods for the  
detection and enumeration of  
Enterobacteriaceae —**

**Part 1:  
Detection and enumeration by MPN  
technique with pre-enrichment**

*Microbiologie des aliments — Méthodes horizontales pour la recherche  
et le dénombrement des Enterobacteriaceae —*

*Partie 1: Recherche et dénombrement à l'aide de la technique NPP  
avec préenrichissement*



Reference number  
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## Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

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The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

This first edition of ISO 21528-1, together with ISO 21528-2, cancels and replaces the following standards:

- ISO 5552:1997, *Meat and meat products — Detection and enumeration of Enterobacteriaceae without resuscitation — MPN technique and colony-count technique*;
- ISO 7402:1993, *Microbiology — General guidance for the enumeration of Enterobacteriaceae without resuscitation — MPN technique and colony-count technique*;
- ISO 8523:1991, *Microbiology — General guidance for the detection of Enterobacteriaceae with pre-enrichment*.

ISO 21528-1 was prepared by Technical Committee ISO/TC 34, *Food products*, Subcommittee SC 9, *Microbiology*.

ISO 21528 consists of the following parts, under the general title *Microbiology of food and animal feeding stuffs — Horizontal methods for the detection and enumeration of Enterobacteriaceae*:

- *Part 1: Detection and enumeration by MPN technique with pre-enrichment*
- *Part 2: Colony-count method*