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Standards

Irish Standard
I.S. EN ISO 21572:2013

Foodstuffs - Molecular biomarker analysis - Protein-based methods (ISO 21572:2013)

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I.S. EN ISO 21572:2013

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English Version

**Foodstuffs - Molecular biomarker analysis - Protein-based
methods (ISO 21572:2013)**

Produits alimentaires - Analyse des biomarqueurs
moléculaires - Méthodes basées sur les protéines (ISO
21572:2013)

Lebensmittel - Untersuchung von molekularen Biomarkern -
Proteinverfahren (ISO 21572:2013)

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Contents

Page

Foreword.....3

Foreword

This document (EN ISO 21572:2013) has been prepared by Technical Committee ISO/TC 34 "Food products" in collaboration with Technical Committee CEN/TC 275 "Food analysis - Horizontal methods" the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by August 2013, and conflicting national standards shall be withdrawn at the latest by August 2013.

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

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The text of ISO 21572:2013 has been approved by CEN as EN ISO 21572:2013 without any modification.

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I.S. EN ISO 21572:2013
INTERNATIONAL
STANDARD

ISO
21572

Second edition
2013-02-01

**Foodstuffs — Molecular biomarker
analysis — Protein-based methods**

*Produits alimentaires — Analyse des biomarqueurs moléculaires —
Méthodes basées sur les protéines*



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Contents

Page

Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
3.1 General.....	1
3.2 Terms relating to antibodies.....	2
3.3 Terms relating to techniques.....	2
3.4 Terms relating to control.....	3
3.5 Terms relating to validation.....	3
4 Principle	6
5 Reagents	6
6 Laboratory equipment	6
7 Sampling	6
8 Procedure	7
8.1 General.....	7
8.2 Preparation of sample solution.....	7
8.3 Extraction.....	7
8.4 Preparation of calibration curves, positive controls and reference materials.....	7
8.5 Assay procedure.....	7
9 Interpretation and expression of results	8
9.1 General.....	8
9.2 Quantitative and semiquantitative analysis.....	8
9.3 Qualitative analysis.....	8
10 Specific parameters which may influence results	8
10.1 General.....	8
10.2 Special considerations.....	9
10.3 Assay applicability.....	9
11 Confirmation method	10
12 Test report	10
Annex A (informative) Detection of a protein by ELISA	12
Annex B (informative) Detection of protein(s) by lateral flow devices	22
Bibliography	29

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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

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.

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ISO 21572 was prepared by Technical Committee ISO/TC 34, *Food products*, Subcommittee SC 16, *Horizontal methods for molecular biomarker analysis*.

This second edition cancels and replaces the first edition (ISO 21572:2004), which has been technically revised. It also incorporates the Technical Corrigendum ISO 21572:2004/Cor. 1:2005.

Foodstuffs — Molecular biomarker analysis — Protein-based methods

WARNING — Follow all instructions provided by the kit/reagent manufacturers and other standard laboratory safety procedures. Read and implement the material safety data sheets (MSDS).

1 Scope

This International Standard provides general guidelines and performance criteria for methods for the detection and/or quantification of specific proteins or protein(s) of interest [POI(s)] in a specified matrix.

These general guidelines address existing antibody based methods. Methods other than those described in [Annex A](#) or [Annex B](#) can also detect the POI. The same criteria as outlined in this International Standard apply generally.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 24276, *Foodstuffs — Methods of analysis for the detection of genetically modified organisms and derived products — General requirements and definitions*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 24276 and the following apply.

3.1 General

3.1.1

sample

subset of a population made up of one or more sampling units

[SOURCE: ISO 3534-2:2006, 1.2.17]

3.1.2

laboratory sample

sample (3.1.1) as prepared for sending to the laboratory and intended for inspection or testing

[SOURCE: ISO 78-2:1999, 3.1]

3.1.3

test sample

sample (3.1.1) as prepared for testing or analysis, the whole quantity or part of it being used for testing or analysis at one time

[SOURCE: ISO 3534-2:2006, 5.3.11]

3.1.4

test portion

part of a *test sample* (3.1.3) which is used for testing or analysis at one time

[SOURCE: ISO 3534-2:2006, 5.3.12]

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