

STN P	Rastlinné biostimulátory Detekcia <i>Vibrio spp.</i>	STN P CEN/TS 17711 46 5612
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Plant biostimulants - Detection of *Vibrio spp.*

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 06/22

Táto predbežná slovenská technická norma je určená na overenie. Prípadné pripomienky pošlite do marca 2024 Úradu pre normalizáciu, metrológiu a skúšobníctvo SR.

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English Version

Plant biostimulants - Detection of *Vibrio* spp.

Biostimulants des végétaux - Recherche des espèces de
Vibrio

Pflanzen-Biostimulanzien - Nachweis von *Vibrio* spp.

This Technical Specification (CEN/TS) was approved by CEN on 3 January 2022 for provisional application.

The period of validity of this CEN/TS is limited initially to three years. After two years the members of CEN will be requested to submit their comments, particularly on the question whether the CEN/TS can be converted into a European Standard.

CEN members are required to announce the existence of this CEN/TS in the same way as for an EN and to make the CEN/TS available promptly at national level in an appropriate form. It is permissible to keep conflicting national standards in force (in parallel to the CEN/TS) until the final decision about the possible conversion of the CEN/TS into an EN is reached.

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CEN/TS 17711:2022 (E)

Contents	Page
European foreword.....	3
Introduction.....	4
1 Scope.....	5
2 Normative references.....	5
3 Terms and definitions.....	5
4 Principle.....	6
4.1 General.....	6
4.2 Primary enrichment in a liquid selective medium.....	6
4.3 Secondary enrichment in a liquid selective medium.....	6
4.4 Isolation and identification.....	6
4.5 Confirmation.....	7
5 Culture media and reagents.....	7
5.1 Enrichment medium: alkaline saline peptone water (ASPW).....	7
5.2 Solid selective isolation media.....	7
5.3 Saline nutrient agar (SNA).....	8
5.4 Reagent for detection of oxidase.....	8
5.5 Biochemical tests.....	8
6 Equipment and consumables.....	8
7 Sampling.....	9
8 Preparation of the test sample.....	9
9 Procedure (see Figure A.1).....	9
9.1 Test portion and initial suspension.....	9
9.2 Primary selective enrichment.....	10
9.3 Secondary selective enrichment.....	10
9.4 Isolation and identification.....	11
9.5 Confirmation.....	11
10 Expression of results.....	14
11 Performance characteristics of the method.....	14
11.1 Sensitivity.....	14
11.2 Specificity.....	15
11.3 LOD50.....	15
12 Test report.....	15
Annex A (normative) Diagram of procedure.....	16
Annex B (normative) Composition and preparation of the culture media and reagents.....	17
Annex C (informative) Conventional PCR for the detection of <i>Vibrio parahaemolyticus</i> , thermostable direct haemolysin (tdh) and thermostable direct related haemolysin (trh) genes, <i>Vibrio cholerae</i> and <i>Vibrio vulnificus</i>	23
Annex D (informative) Real-time PCR for the detection of <i>Vibrio parahaemolyticus</i> , thermostable direct haemolysin gene (tdh) and <i>Vibrio vulnificus</i>	29
Bibliography.....	32

CEN/TS 17711:2022 (E)**European foreword**

This document (CEN/TS 17711:2022) has been prepared by Technical Committee CEN/TC 455 “Plant biostimulants”, the secretariat of which is held by AFNOR.

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

This document has been prepared under a Standardization Request given to CEN by the European Commission and the European Free Trade Association.

Any feedback and questions on this document should be directed to the users’ national standards body. A complete listing of these bodies can be found on the CEN website.

According to the CEN/CENELEC Internal Regulations, the national standards organisations of the following countries are bound to announce this Technical Specification: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

CEN/TS 17711:2022 (E)

Introduction

This document was prepared by the experts of CEN/TC 455 “Plant Biostimulants”. The European Committee for Standardization (CEN) was requested by the European Commission (EC) to draft European standards or European standardization deliverables to support the implementation of Regulation (EU) 2019/1009 of 5 June 2019 laying down rules on the making available on the market of EU fertilizing products (“FPR” or “Fertilising Products Regulation”).

This standardization request, presented as M/564, also contributes to the Communication on “Innovating for Sustainable Growth: A Bio economy for Europe”. The Working Group 5 “Labelling and denominations”, was created to develop a work program as part of this Request. The technical committee CEN/TC 455 “Plant Biostimulants” was established to carry out the work program that will prepare a series of standards. The interest in biostimulants has increased significantly in Europe as a valuable tool to use in agriculture. Standardization was identified as having an important role in order to promote the use of biostimulants. The work of CEN/TC 455 seeks to improve the reliability of the supply chain, thereby improving the confidence of farmers, industry, and consumers in biostimulants, and will promote and support commercialisation of the European biostimulant industry.

Because of the large variety of Plant Biostimulant products, the horizontal method described in this document may not be appropriate in every detail for certain products. In this case, different methods, which are specific to these products may be used if absolutely necessary for justified technical reasons. Nevertheless, every attempt will be made to apply this horizontal method as far as possible.

The harmonization of test methods cannot be immediate and, for certain groups of products, International Standards and/or national standards may already exist that do not comply with this horizontal method. It is hoped that when such standards are reviewed they will be changed to comply with this document so that eventually the only remaining departures from this horizontal method will be those necessary for well-established technical reasons.

WARNING — Persons using this document should be familiar with normal laboratory practice. This document does not purport to address all of the safety problems, if any, associated with its use. It is the responsibility of the user to establish appropriate safety and health practices and to ensure compliance with any national regulatory conditions.

IMPORTANT — It is absolutely essential that tests conducted in accordance with this document be carried out by suitably trained staff.

1 Scope

This document specifies a horizontal method for the detection of enteropathogenic *Vibrio* spp., which causes human illness in or via the intestinal tract [1]. The species detectable by the methods specified include *Vibrio parahaemolyticus*, *Vibrio cholerae* and *Vibrio vulnificus*.

It is applicable to the following:

- microbial plant biostimulants.

NOTE 1 The World Health Organization (WHO) has identified that *V. parahaemolyticus*, *V. cholerae* and *V. vulnificus* are the major contaminants of *Vibrio* spp. [1].

NOTE 2 For confirmation, it is possible to use PCR tests; in this case the laboratory validates the procedure and data generated.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

CEN/TS 17702-1, *Plant biostimulants — Sampling and sample preparation — Part 1: Sampling*

CEN/TS 17724, *Plant biostimulants — Terminology*

EN ISO 7218:2007,¹ *Microbiology of food and animal feeding stuffs — General requirements and guidance for microbiological examinations (ISO 7218:2007)*

EN ISO 11133:2014,² *Microbiology of food, animal feed and water — Preparation, production, storage and performance testing of culture media (ISO 11133:2014)*

EN ISO 3696:1995, *Water for analytical laboratory use — Specification and test methods (ISO 3696:1987)*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN

¹ As amended by EN ISO 7218:2007/A1:2013.

² As amended by EN ISO 11133:2014/A1:2018 and EN ISO 11133:2014/A2:2020.