

ISO/TS 21872-1:2007-04 (E)

Microbiology of food and animal feeding stuffs - Horizontal method for the detection of potentially enteropathogenic *Vibrio* spp. - Part 1: Detection of *Vibrio* *parahaemolyticus* and *Vibrio* *cholerae*

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	2
4	Principle	2
4.1	General	2
4.2	First enrichment in a liquid selective medium	2
4.3	Second enrichment in a liquid selective medium	2
4.4	Isolation and identification	2
4.5	Confirmation	2
5	Culture media and reagents	3
5.1	Enrichment medium: Alkaline saline peptone water (ASPW)	3
5.2	Solid selective isolation media	3
5.3	Saline nutrient agar (SNA)	3
5.4	Reagent for detection of oxidase	3
5.5	Saline triple sugar iron (TSI) agar	3
5.6	Saline medium for detection of ornithine decarboxylase (ODC)	3
5.7	Saline medium for detection of lysine decarboxylase (LDC)	3
5.8	Saline medium for detection of arginine dihydrolase (ADH)	3
5.9	Reagent for detection of -galactosidase	3
5.10	Saline medium for detection of indole	4
5.11	Saline peptone waters	4
5.12	Sodium chloride solution	4
6	Apparatus and glassware	4
7	Sampling	4
8	Preparation of test sample	4
9	Procedure (see Annex A)	4
9.1	Test portion and initial suspension	4
9.2	First selective enrichment	5
9.3	Second selective enrichment	5
9.4	Isolation and identification	5
9.5	Confirmation	6
10	Expression of results	10
11	Test report	10
Annex A (normative)	Diagram of procedure	11
Annex B (normative)	Composition and preparation of the culture media and reagents	12
Bibliography		19