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AMENDMENT 1
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Microbiology of food and animal feeding stuffs — Horizontal method for the detection and enumeration of presumptive Escherichia coli — Most probable number technique

AMENDMENT 1: Inclusion of performance testing of culture media and reagents

Microbiologie des aliments — Méthode horizontale pour la recherche et le dénombrement d'Escherichia coli présumés — Technique du nombre le plus probable

AMENDEMENT 1: Inclusion des essais de performance des milieux de culture et réactifs

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Microbiology of food and animal feeding stuffs — Horizontal method for the detection and enumeration of presumptive Escherichia coli — Most probable number technique

AMENDMENT 1: Inclusion of performance testing of culture media and reagents

Clause 2, 5.1, 9.1.1 (twice) and 9.2.1

Replace all instances of ISO 8261 with ISO 6887-5.

Clause 2 and 5.3.3

Replace all instances of ISO/TS 11133-1 and ISO/TS 11133-2 with ISO 11133.

Clause 5

Replace the paragraph with the following:

For current laboratory practice, see ISO 7218 and ISO 11133.

The general specifications of ISO 11133 are applicable to the preparation and performance testing of the culture media and reagents described in this clause. If culture media or reagents are prepared from dehydrated complete media/reagents or if ready-to-use media/reagents are used, follow the manufacturer's instructions regarding preparation, storage conditions, expiry date and use.

The shelf life of the media and reagents indicated in this clause has been determined in some studies. The user shall verify this under its own storage conditions (in accordance with ISO 11133).

Performance testing of culture media and reagents is described in 5.6.

After Clause 5.5

Add the following text as a new subclause.

5.6 Performance testing

The definition of productivity and selectivity are specified in ISO 11133. In general, follow the procedures for performance testing described in ISO 11133. Table 1 provides the performance testing for the quality assurance of the culture media and reagents.

Table 1 — Performance testing for the quality assurance of the culture media and reagents

Medium	Function	Incubation	Control strains	WDCM numbers[a]	Method of control	Criteria and characteristic reaction[e]
LST[c]	Productivity	24 h ± 2 h / 37 °C ± 1 °C	*Escherichia coli*	00012[b] 00013	Qualitative	Turbidity (2) and gas produced in Durham tube
	Selectivity	48 h ± 2 h / 37 °C ± 1 °C	*Enterococcus faecalis*[d]	00009 00087	Qualitative	No growth (0), no gas produced in Durham tube
EC[c]	Detection of gas production	24 h ± 2 h / 44 °C ± 1 °C	*Escherichia coli*[d]	00012 00013	Qualitative	Positive reaction: Gas produced in Durham tube
		48 h ± 2 h / 44 °C ± 1 °C	*Pseudomonas aeruginosa*[d]	00025	Qualitative	Negative reaction: No gas produced in Durham tube
Peptone water with indole reagent (Kovac's reagent)	Detection of indole formation from tryptophan	48 h ± 2 h / 44 °C ± 1 °C	*Escherichia coli*[d]	00012 00013 00090 00179	Qualitative	Positive reaction: Formation of a red colour in top alcohol layer at the surface of the medium within 1 min
			Klebsiella aerogenes (formerly *Enterobacter aerogenes*)[d]	00175	Qualitative	Negative reaction: No formation of a red colour or the presence of a yellow-brown colour in the top alcohol layer at the surface of the medium within 1 min
			Citrobacter freundii[d]	00006		
			Salmonella enterica serovar Typhimurium[d]	00031		
			Salmonella enterica serovar Enteritidis[d]	00030		

[a] Refer to the reference strain catalogue on http://www.wfcc.info for information on culture collection strain numbers and contact details; WDCM: World Data Centre for Microorganisms.

[b] Strains to be used as a minimum.

[c] LST: Lauryl sulfate broth; EC: EC broth.

[d] Strain free of choice; one of the strains has to be used as a minimum. For the confirmation media and reagent, the user may choose any of the strains cited for positive and negative reactions (see ISO 11133).

[e] Growth/turbidity is categorized as: 0: no growth/no turbidity; 1: weak growth/slight turbidity (partial inhibition); 2: growth/good turbidity (see ISO 11133).