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Microbiology of the food chain — Horizontal method for the detection, enumeration and serotyping of *Salmonella* —

Part 1:
Detection of *Salmonella* spp.
AMENDMENT 1: Broader range of incubation temperatures, amendment to the status of Annex D, and correction of the composition of MSRV and SC

Microbiologie de la chaîne alimentaire — Méthode horizontale pour la recherche, le dénombrement et le sérotypage des Salmonella —

Partie 1: Recherche des Salmonella *spp.*

AMENDEMENT 1: Extension de la plage de températures pour l'incubation, amendement du statut de l'Annexe D, et correction de la composition des milieux MSRV et SC

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This document was prepared by Technical Committee ISO/TC 34, *Food products*, Subcommittee SC 9, *Microbiology*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 463, *Microbiology of the food chain*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

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Microbiology of the food chain — Horizontal method for the detection, enumeration and serotyping of *Salmonella* —

Part 1:
Detection of *Salmonella* spp.

AMENDMENT 1: Broader range of incubation temperatures, amendment to the status of Annex D, and correction of the composition of MSRV and SC

Foreword, fifth bullet

Replace the bullet with the following:

— The temperature range for incubation of non-selective and selective media has been extended from 37 °C ± 1 °C to 34 °C to 38 °C without further tolerance.

4.3, second paragraph

Replace the paragraph with the following:

The RVS broth or the MSRV agar is incubated at 41,5 °C for 24 h and the MKTTn broth between 34 °C and 38 °C for 24 h.

4.4, last paragraph

Replace the paragraph with the following.

The XLD agar is incubated between 34 °C and 38 °C and examined after 24 h. The second selective agar is incubated according to the manufacturer's instructions.

6.3

Replace the text with the following:

6.3 Incubator, capable of operating in the range 34 °C to 38 °C.

NOTE   The range 34 °C to 38 °C for incubation of media includes the use of incubators set at 35 °C ± 1 °C, 36 °C ± 2 °C or 37 °C ± 1 °C.

6.6

Replace the text with the following:

6.6   Water bath, capable of operating in the range 34 °C to 38 °C.

NOTE   The range 34 °C to 38 °C for incubation of media includes the use of water baths set at 35 °C ± 1 °C, 36 °C ± 2 °C or 37 °C ± 1 °C.

9.3.2, fifth paragraph

Replace the paragraph with the following:

Incubate the inoculated MKTTn broth between 34 °C and 38 °C (6.3) for 24 h ± 3 h.

9.4.2, fifth paragraph

Replace the paragraph with the following:

Incubate the XLD plates inverted between 34 °C and 38 °C (6.3) for 24 h ± 3 h.

9.4.3, second paragraph

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Replace the paragraph with the following:(standards.iteh.ai)

Incubate the XLD plates inverted between 34 °C and 38 °C (6.3) for 24 h ± 3 h.

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9.5.3.2, first paragraph

Replace the paragraph with the following:

Streak the agar slant surface and stab the butt. Incubate between 34 °C and 38 °C (6.3) for 24 h ± 3 h.

9.5.3.3, first paragraph

Replace the paragraph with the following:

Streak the agar slant surface. Incubate between 34 °C and 38 °C (6.3) for up to 24 h.

9.5.3.4, first paragraph

Replace the paragraph with the following:

Inoculate just below the surface of the liquid medium. Incubate between 34 °C and 38 °C (6.3) for 24 h ± 3 h.

9.5.3.5, first line of fourth paragraph

Replace the first line of the fourth paragraph with the following:

Add one drop of toluene and shake the tube. Place the tube in a water bath and incubate between 34 °C and 38 °C (6.6) for several minutes (approximately 5 min).

9.5.3.5, fifth paragraph

Replace the paragraph with the following:

Replace the tube in the water bath and incubate between 34 °C and 38 °C (6.6) for up to 24 h.

9.5.3.6, third paragraph
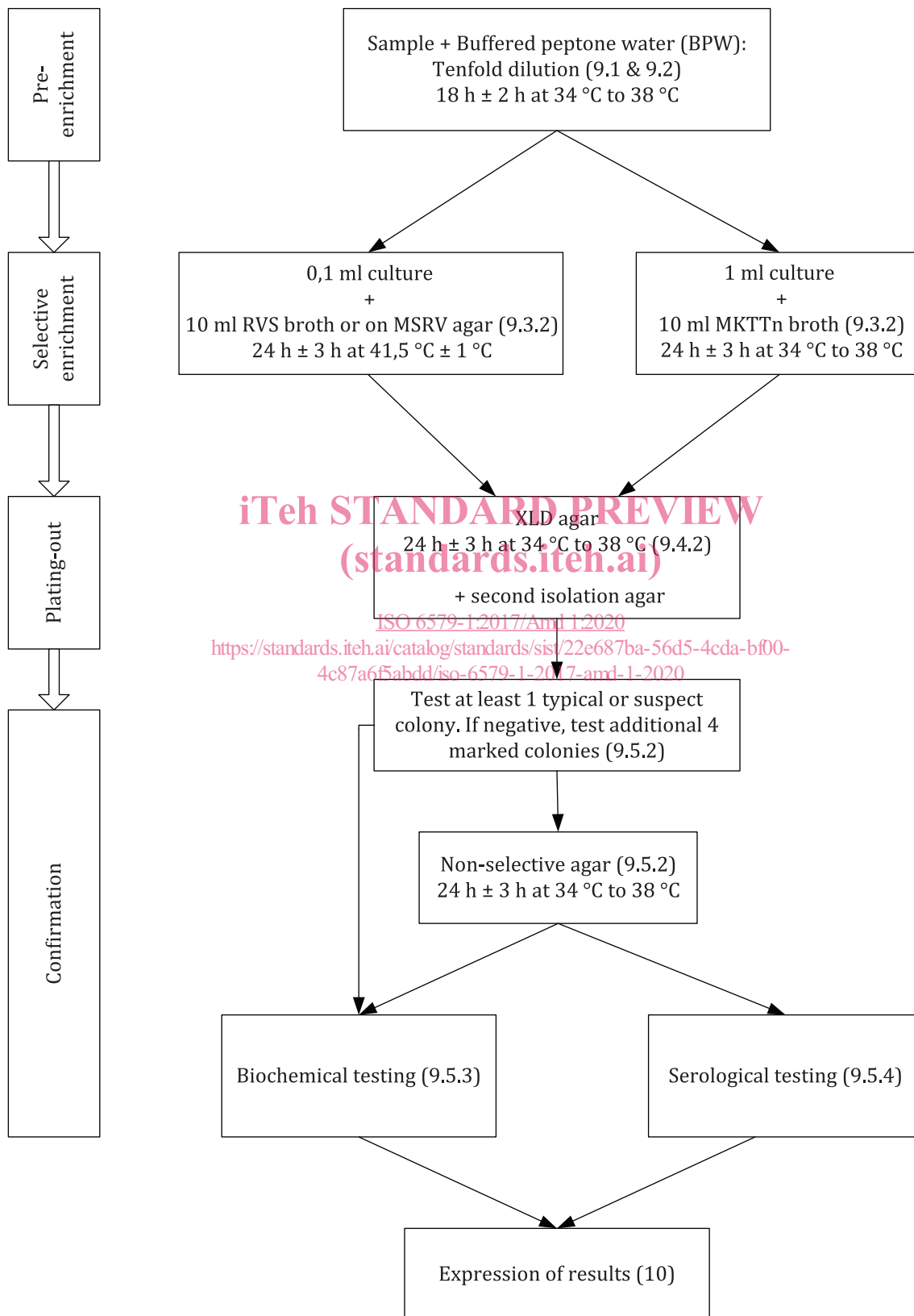
Replace the paragraph with the following:

Incubate between 34 °C and 38 °C (6.3) for 24 h ± 3 h. After incubation, add 1 ml of the Kovacs reagent (B.12.2).

Annex A

Replace Figure A.1 with the following figure:

Pre-enrichment	Sample + Buffered peptone water (BPW): Tenfold dilution (9.1 & 9.2) 18 h ± 2 h at 34 °C to 38 °C
Selective enrichment	0,1 ml culture + 10 ml RVS broth or on MSRV agar (9.3.2) 24 h ± 3 h at 41,5 °C ± 1 °C — 1 ml culture + 10 ml MKTTn broth (9.3.2) 24 h ± 3 h at 34 °C to 38 °C
Plating-out	XLD agar 24 h ± 3 h at 34 °C to 38 °C (9.4.2) + second isolation agar
Confirmation	Test at least 1 typical or suspect colony. If negative, test additional 4 marked colonies (9.5.2); Non-selective agar (9.5.2) 24 h ± 3 h at 34 °C to 38 °C; Biochemical testing (9.5.3); Serological testing (9.5.4); Expression of results (10)

Replace Figure A.2 with the following figure:

Pre-enrichment	Sample + Buffered peptone water (BPW): Tenfold dilution (9.1 & 9.2) 18 h ± 2 h at 34 °C to 38 °C
Selective enrichment	0,1 ml culture in 1-3 spots onto MSRV agar (9.3.3) (2x) 24 h ± 3 h at 41,5 °C ± 1 °C
Plating-out	XLD agar 24 h ± 3 h at 34 °C to 38 °C (9.4.3) + second isolation agar
Confirmation	Test at least 1 typical or suspect colony. If negative, test additional 4 marked colonies (9.5.2)

Non-selective agar (9.5.2)
24 h ± 3 h at 34 °C to 38 °C

Biochemical testing (9.5.3)

Serological testing (9.5.4)

Expression of results (10)