

# COMENTARIOS A LAS NORMAS ISO ITACYL 08 FEBRERO 2018

## Análisis de Salmonella ISO 6579-1:2017. Detection, enumeration and serotyping of Salmonella

- **Análisis de Salmonella ISO T/S 6579-2:2012.** ISO/TS 6579-2 gives a method for the enumeration of *Salmonella* spp. present in: products intended for human consumption and for the feeding of animals; environmental samples in the area of food production and food handling; animal faeces; and environmental samples from the primary production stage by calculation of the most probable number (MPN).
  - The method is based on miniaturization of the dilution, pre-enrichment and selective enrichment steps. The selective enrichment medium, modified semi-solid Rappaport-Vassiliadis (MSRV), is intended for the detection of motile salmonellae and is not appropriate for the detection of non-motile salmonellae.
  - It is possible that the method is less appropriate to enumerate *Salmonella* ser. Typhi and *Salmonella* ser. Paratyphi.
  - This method is not appropriate for the enumeration of *Salmonella* spp. in (very) low contaminated samples (<1 cfu/g).
  - **Análisis de Salmonella ISO/TR 6579-3:2014.** ISO/TR 6579-3:2014 gives guidance on the procedure for serotyping *Salmonella* serovars and is applicable to the serotyping of pure cultures of *Salmonella* spp., independent of the source from which they are isolated.
  - **Salmonella en aguas ISO 19250:2010.** This standard was last reviewed and confirmed in 2016. Therefore this version remains current.

**Listeria ISO 11290-1:2017. Detección.**

**Listeria ISO 11290-2:2017. Recuento.**

**Enterobacterias ISO 21528-1:2017. Detección, Enumeración por NMP**

**Enterobacterias ISO 21528-2:2017. Detección, Enumeración por Recuento en Placa**

**Campylobacter ISO 10272-1-2017 Detección.**

**Campylobacter ISO 10272-2-2017 Recuento.**

**Cronobacter spp. UNE-EN ISO 22964:2017.**

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## Aerobios mesófilos ISO 4833-1:2013

- Existe la **UNE-EN ISO 4833-1:2014**. Siembra en profundidad
- Existe la **UNE-EN ISO 4833-2:2014**. Siembra en superficie.

## Coliformes ISO 4832:2006. Recuento de colonias.

- **ISO 4832:2006** gives general guidelines for the enumeration of coliforms. It is applicable to products intended for human consumption and for the feeding of animals, and environmental samples in the area of food production and food handling, by means of the technique of counting colonies after incubation on a solid medium at 30 °C or at 37 °C.
- This technique is recommended when the number of colonies sought is expected to be more than 100 per millilitre or per gram of the test sample.
- **This standard was last reviewed and confirmed in 2015. Therefore this version remains current.**
- No existe en AENOR.

## B. cereus UNE-EN ISO 7932:2005.

- Está en vigor

## E. coli ISO 16649-1/2/3:2001 (1 por membrana, 2 recuento de colonias, 3 NMP)

- Parte 1.- **This standard was last reviewed and confirmed in 2012. Therefore this version remains current.**
  - Existe la **UNE-ISO 16649-1:2013** idéntica a la **ISO 16649-1:2001**
- Parte 2.- **This standard was last reviewed and confirmed in 2012. Therefore this version remains current.**
- Parte 3.- **ISO 16649-3:2015**. Microbiology of the food chain -- Horizontal method for the enumeration of beta-glucuronidase-positive Escherichia coli -- Part 3: Detection and most probable number technique using 5-bromo-4-chloro-3-indolyl- $\beta$ -D-glucuronide.
  - Existe la **UNE-EN ISO 16649-3:2015**.

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## **S. aureus ISO 68888-1/2:2000**

- Aunque vigente, hay modificaciones en 2004, por incorporación de datos de precisión.

**Mohos y Levaduras UNE-EN ISO 16212:2017.** Cosméticos. Microbiología. Enumeración de levaduras y mohos (SDC Agar).

**Mohos y levaduras ISO 21527-1:2008.** Microbiology of food and animal feeding stuffs -- Horizontal method for the enumeration of yeasts and moulds -  
- Part 1: Colony count technique in products with water activity greater than 0,95 (DRBC Agar) **(ISO 7954:1987 retirada).**

**Mohos y levaduras ISO 21527-2:2008.** Microbiology of food and animal feeding stuffs -- Horizontal method for the enumeration of yeasts and moulds -  
- Part 2: Colony count technique in products with water activity less than or equal to 0,95 (DG18 Agar). **(ISO 7954:1987 retirada).**

**Bacterias lácticas mesófilas (lactobacillus) ISO15124:1998.** This standard was last reviewed and confirmed in 2015. Therefore this version remains current. (MRS Agar).

## **Legionella ISO 11731:2017.**

- Ya existe **Legionella UNE-EN ISO 11731:2017**

## **Clostridium perfringens UNE-EN ISO 14189:2017.**

- **RD 140/2003 Criterios Sanitarios de la calidad del agua de consumo humano.** (mCP Agar).

**E. coli / coliformes UNE-EN ISO 9308-1:2014.** Recuento por filtración por membrana.

- **ISO 9308-1:2014** is especially suitable for waters with low bacterial numbers that will cause less than 100 total colonies on chromogenic coliform agar (CCA). These may be drinking water, disinfected pool water, or finished water from drinking water treatment plants.

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- Some strains of *E. coli* which are  $\beta$ -D-glucuronidase negative, such as *Escherichia coli* O157, will not be detected as *E. coli*. As they are  $\beta$ -D-galactosidase positive, they will appear as coliform bacteria on this chromogenic agar.
- Está vigente. Aunque hay una corrección **UNE-EN ISO 9308-1:2014/A1:2017**.
- Existe **UNE-EN ISO 9308-2:2014**. Calidad del agua. Recuento de *Escherichia coli* y bacterias coliformes. Parte 2: Método del número más probable. (ISO 9308-2:2012).

### **P. aeruginosa UNE-EN ISO 16266-2008.**

- Vigente.
- **This standard was last reviewed and confirmed in 2015. Therefore this version remains current.**

### **Enterococos UNE-EN ISO 7899-2:2001.**

- Hay un **UNE-EN ISO 7899-2:2001 ERRATUM:2010**
- Hay **UNE-EN ISO 7899-1:1999**  
Calidad del agua. Detección y recuento de enterococos intestinales. Parte 1: Método miniaturizado (Número Más Probable) para aguas superficiales y residuales. (ISO 7899-1:1998).  
Estado: Vigente

### **Microrganismos cultivables en aguas ISO 6222:1999.**

- Existe **UNE-EN ISO 6222:1999**  
Calidad del agua. Enumeración de microorganismos cultivables. Recuento de colonias por siembra en medio de cultivo de agar nutritivo. (ISO 6222:1999)  
Estado: Vigente
- **This standard was last reviewed and confirmed in 2015. Therefore this version remains current.**