

## TP00041V

**Medium for the enumeration and cultivation of fungi, according harmonized pharmacopoeial monographs and test methods**

### Shelf Life Storage

16x112 mm glass tubes, ink labelled, Metallic cap - 20 tubes per box

12 months 8-25°C

with:  $6.2 \pm 0.5$  ml. of Weight/Volume

## DESCRIPTION / TECHNIQUE

Collect, dilute and prepare samples and volumes as required according to specifications, normatives and/or expected results.

This medium is also well suited for air environmental sampling (total compatibility with most commercially available air samplers) or for other types of environmental sampling (fingers or gloves of operators, swab streaking....).

Melt the medium contained in tubes / in flasks in a water bath or in a microwave oven, avoiding overheating, before pouring into Petri dishes when cooled at room temperature.

Once solidified on a flat surface, spread the plate streaking methodology or by spiral method.

Incubate the plates right side up aerobically at 20-25°C for up to 5 days.

(Incubation times greater than those mentioned above or different incubation temperatures may be required depending on the sample, on the specifications,... This media can be inoculated directly or after enrichment with broth).

After incubation, enumerate all the colonies that have appeared onto the surface of the agar.

Each laboratory must interpret the results according to their specifications.

Calculate bacterial count per ml of sample by multiplying the average number of colonies per plate by inverse dilution factor if streaked a diluted sample. Report results as Colony Forming Unit (CFU's) per ml or g along with incubation time and temperature.

pH: 5.6±0.2

### Physical/Chemical control

pH:  $5.6 \pm 0.2$

Aspect: Satisfactory

Weight/Volume: 6.2 (Quantity per unit; in gr for solid products, in ml for liquid products)

Inoculate with 10-100 CFU according harmonized Pharmacopoeial Monographs and Methods or with 1000-10000 CFU for Selectivity.

**Aerobiosis.** Incubation at  $22.5 \pm 2.5$  °C, reading after 24-48 hours for bacteria and 3-5 days for yeasts and moulds

Good

Good

Good

Incubation 24 h at  $32.5 \pm 2.5$  °C and 72 h at  $22.5 \pm 2.5$  °C: Satisfactory - NO GROWTH

Incubation 7 days at  $32.5 \pm 2^\circ\text{C}$  and 7 days at  $22.5 \pm 2^\circ\text{C}$ : Satisfactory Result- NO GROWTH

(Sterilized by autoclaving at 121 °C for 15')

## European Pharmacopeia 6th Edition - Chapter 6 Biological Tests

European Pharmacopoeia 6th Edition - Chapter 6 Biological Tests  
U.S. Pharmacopeia USP 31 NF26 2008 - Chapters <61>, <62> and <71>

ATLAS, R.M., LC. PARKS (1993) Handbook of Microbiological Media. CRC Press, Inc. London.

VANDERZANT & SPLITTSTOESSER (1992). Compendium of Methods for the Microbiological Examination of Foods. 3rd. Ed. American Public Health Association, Washington, D.C.

Public Health Association. Washington, D.C.

PASCUAL ANDERSON, M<sup>a</sup>R<sup>a</sup> (1992) Microbiología Alimentaria. Diaz de Santos, S.A. Madrid.