

# HYGİSLİDE

## NUTRIENT AGAR W/TTC/NUTRIENT AGAR W/TTC

### PRINCIPLE AND INTERPRETATION:

**Side1/2:** This double sided slide contains Nutrient Agar with TTC on both sides. A general purpose agar medium, containing two peptones, which will support the growth of a wide variety of organisms. It is suitable for the cultivation both of aerobes and anaerobes, the latter being grown either in deep cultures or by incubation under anaerobic conditions. A small quantity of the dye 2,3,5-triphenyltetrazolium (TTC) is added. Aerobic bacteria species grow on this medium and they can be detected by their ability to reduce TTC to a red colored formozan dye. Bacterial colonies appear as red dots on an otherwise clear colorless medium.

### COMPOSITION:

Ingredients	Gr/Liter
Enzymatic Digest of Gelatin	5 gm
Beef Extract	3 g
2,3,5 Triphenyltetrazolium Chloride	0,05 g
Agar	15 g

\*Formula adjusted, standardized to suit performance parameters

pH: 7,0 ± 0,2

### INSTRUCTIONS FOR USE:

#### Testing Fluids:

1. Mix liquid test sample.
2. Remove the paddle from the vial. Do not touch the agar surfaces.
3. Immerse the slide in the fluid to be tested for about 5- 10 seconds. Alternatively expose the slide to a spray or running fluid so that the slide surfaces are covered.
4. Both agar surfaces must be completely contacted.
5. Allow excess fluid to drain off both paddle agar surfaces.
6. Replace the Slide into the tube and twist to tighten the cap. Label the tube with the identification label supplied. Incubate the slide as directed later.

#### Testing Surfaces:

1. Remove the paddle from the vial. Do not touch the agar surfaces.
2. To assure an accurate area recovery, contact the paddle to 20<sup>2</sup>cm of the surface by contacting the surface twice in separate 10<sup>2</sup>cm areas.
3. Replace the Slide into the tube and twist to tighten the cap. Label the tube with the identification label supplied. Incubate the slide as directed later.

### QUALITY CONTROL:

#### 1.Sterility Control:

Incubation 2 d at 30-35°C and 3 d at 20-25°C: NO GROWTH

#### 2.Physical/Chemical Control

pH: 7,0 ± 0,2

Appearance: Light Amber

**3.Microbiological Control:** Incubation at a temperature of 35±2°C and observed after 18-24 hours.

Microorganism	Inoculum (CFU)	Results	
		Growth	Reaction
Staphylococcus aureus ATCC 25923	10-100	Good	Reddish colonies
Escherichia coli ATCC 25922	10-100	Good	Reddish colonies
Candida albicans ATCC 10231	10-100	Good	Poor reddish colonies

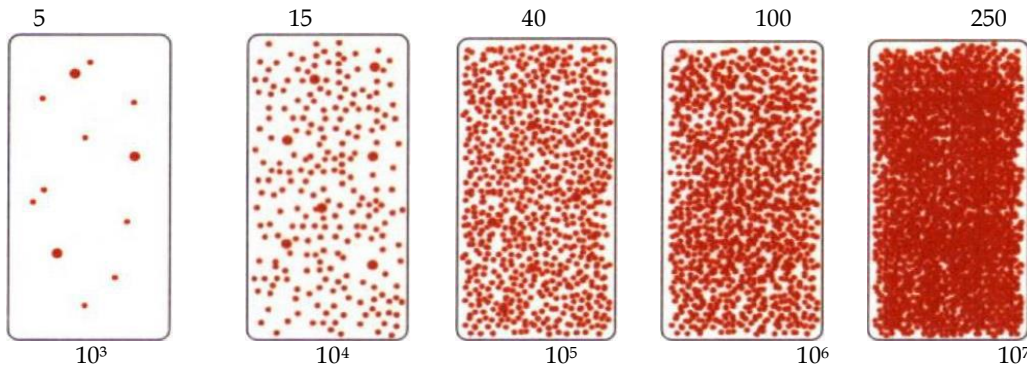
**INTERPRETATION OF RESULTS**

Compare the slide surfaces against the comparison chart printed below. Read the result corresponding to fluids or surfaces as appropriate. Note that very high levels of organisms could lead to a confluent growth and could be recorded as a nil result. Compare against an unused slide when reading results.

**Bacteria Comparison Chart**

**Surfaces**

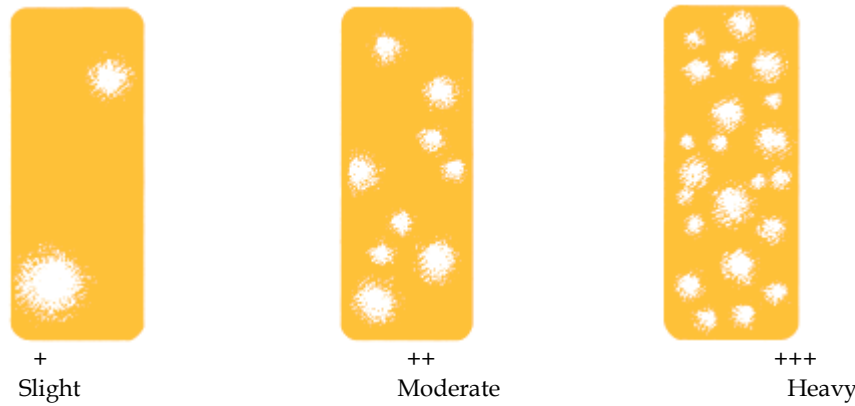
CFU/cm<sup>2</sup>



**Fluids**

CFU/mL

**Fungi Comparison Chart**



**DISPOSAL:**

Incubated Slides may contain active bacteria and micro-organisms. Do not open infected slides except as part of disposal procedure. Infected slides should be autoclaved, incinerated or opened and soaked in a chlorine-based disinfectant (liquid bleach) for 20 minutes prior to disposal.

**STORAGE CONDITIONS AND SHELF LIFE:**

Slides should be stored in 2-20 °C. Temperature fluctuations may result in condensation settling at the bottom of the vial, although this does not affect culture properties, it could reduce the shelf-life or cause the agar to separate from the plastic paddle support.

Avoid sudden temperature changes. Shield from direct sunlight. Do not allow paddles to freeze. Do not use any slides which have been inadvertently contaminated during storage and which are already showing growth of micro-organisms

Use before expiry date on the label. Do not use beyond stated expiry date.

**PACKAGING:**

**Katalog Number:** 06050

**Content/Packaging:** 20 Slides/Box

**REFERENCES**

1. American Public Health Association. 1917. Standard methods of water analysis, 3rd ed. American Public Health Association, New York.
2. U.S. Food and Drug Administration. 1995. Bacteriological analytical manual, 8th ed. AOAC International, Gaithersburg, MD.
3. Clesceri, L.S., A.E. Greenberg, and A.D. Eaton (ed.). 1998. Standard methods for the examination of water and wastewater, 20th ed. American Public Health Association, Washington, D.C.
4. Horwitz, W. (ed.). 2000. Official methods of analysis of AOAC International, 17th ed, vol.1. AOAC International, Gaithersburg, MD.
5. Downes and Ito (ed.). 2001. Compendium of methods for the microbiological examination of foods, 4th ed. American Public Health Association, Washington, D.C.



Aseptic Sterile



Batch Code



Catalogue Number



Negative Controls



Positive Controls



Use by



Temperature  
Limitation



Do not reuse



Contains sufficient  
for <n> tests



Look at user manual



Manufacturer