

# HYGİSLİDE TSA/TSA

## PRINCIPLE AND INTERPRETATION:

**Side1/2 TSA:** A general purpose medium for the growth of a wide variety of organisms.

In Tryptic Soy Agar, the combination of casein and soy peptones renders the medium nutritious by supplying organic nitrogen, particularly amino acids and longer-chained peptides. Sodium chloride maintains the osmotic equilibrium. Agar is the solidifying agent.

## COMPOSITION:

Ingredients	Gr/Liter
Pancreatic digest of casein	15 gr
Enzymatic digest of soya bean	5 gr
Sodium chloride	5 gr
Agar	15 gr

\*Formula adjusted, standardized to suit performance parameters

**pH:** 7,3 ± 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	Apperance:
TSA/TSA	7,3 ± 0,2	Light amber

### 3.Microbiological Control: Incubate 35±2°C 24-48 hours and 25±2 °C 5 days.

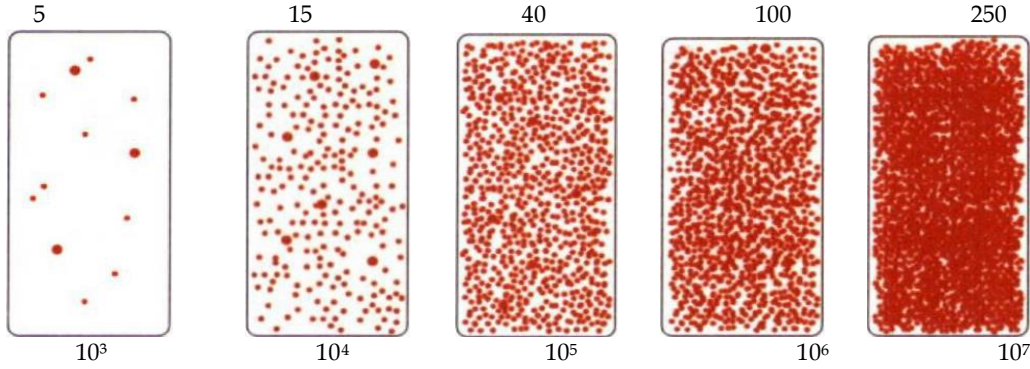
Microorganism	Results	
	Growth	Reaction
Bacillus subtilis ATCC 6633	Good	Growth
Staphylococcus aureus ATCC 6538	Good	Growth
Candida albicans ATCC 10231	Good	Growth
Pseudomonas aeruginosa ATCC 9027	Good	Growth
Aspergillus brasiliensis ATCC 16404	Good	Growth
Escherichia coli ATCC 8739	Good	Growth
Staphylococcus epidermidis ATCC 12228	Good	Growth

### 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.

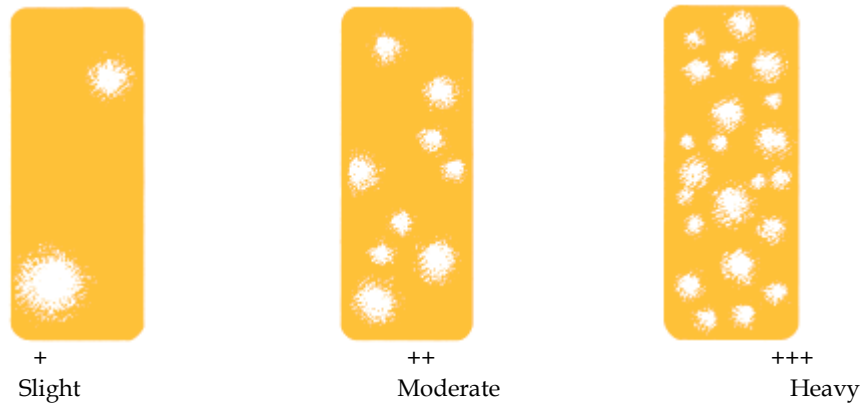
#### Bacteria Comparison Chart

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:** 06051

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

**REFERENCES**

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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