



HiDip™ TSA-Rose Bengal Medium

HD008

Intended Use:

Recommended for microbial screening of food and water.

Composition**

Ingredients	g / L
TSA Agar	
Tryptone #	15.000
Soya peptone	5.000
Sodium chloride	5.000
Agar	15.000
Final pH (at 25°C)	7.3±0.2

**Formula adjusted, standardized to suit performance parameters

Equivalent to Pancreatic digest of casein

Rose Bengal Chloramphenicol Agar

Mycological peptone	5.000
Dextrose (Glucose)	10.000
Potassium dihydrogen phosphate	1.000
Magnesium sulphate	0.500
Rose bengal	0.050
Chloramphenicol	0.100
Agar	15.500
Final pH (at 25°C)	7.2±0.2

**Formula adjusted, standardized to suit performance parameters

Directions

1. Surfaces : Loosen cap and remove HiDip™ slide from container taking care not to touch agar surfaces. Check for dehydration or contamination. Gently lower the slides and press agar to touch the test surface by bending the scull around the hinge line. Apply even and firm pressure for 15-20 seconds. Take care not to smudge agar over the test surface. Repeat procedure using the second agar surface on an area adjacent to the initial test side. Return the slide to the container and close tightly. Incubate in an up right position at indicated temperature.

2. Liquids: Loosen cap and remove the HiDip™ slide from container. Check for dehydration or contamination. Dip slide into test fluid for upto 15-20 seconds so that agar surface becomes totally covered. (In case of inadequate liquid sample availability, pour sample over the surface of the slide). Allow to drain. Tab it gently to remove excess fluid from surface. Return the slide to the container and close tightly. Incubate in an upright position at indicated temperature. Label the container for sample number,source, date and time etc. for reference.

Principle And Interpretation

Tryptone Soya Agar is recommended for cultivation of a wide variety of organisms. This medium is in accordance with USP.

Rose Bengal Agar is recommended for the selective isolation and enumeration of yeasts and moulds from environmental materials and food stuffs. Rose bengal is taken up by mould and yeast colonies thereby assist in enumeration. Growth indicator aids in easier observation and enumeration of colonies.

Type of specimen

Food samples, Water samples

Specimen Collection and Handling:

Refer Directions.

Warning and Precautions

Read the label before opening the container. Wear protective gloves/protective clothing/eye protection/face protection. Follow good microbiological lab practices while handling specimens and culture. Standard precautions as per established

Please refer disclaimer Overleaf.

guidelines should be followed while handling specimens. Safety guidelines may be referred in individual safety data sheets.

Limitations:

Tryptone Soya Agar:

1. This medium is general purpose medium and may not support the growth of fastidious organisms.

Rose Bengal Chloramphenicol Agar

1. The medium should not be exposed to light, since photodegradation of rose bengal yields compounds that are toxic to fungi.

Performance and Evaluation

Performance of the medium is expected when used as per the direction on the label within the expiry period when stored at recommended temperature.

Quality Control

Appearance

The HiDip™ slide containing a combination of sterile TSA Medium and Rose Bengal Medium on separate individual surfaces.

Colour

Colour of TSA medium

Light yellow coloured medium

Colour of Rose Bengal medium

Deep pink coloured medium

Quantity of medium

2.5 ml of medium per surface

pH of TSA medium

pH Range :7.10-7.5

pH of Rose Bengal Medium

pH Range : 7.00-7.40

Sterility Check :

Passes release criteria

Cultural Response

Cultural characteristics observed after incubation at 35 - 37°C on TSA Medium for 18-24 hours and at 20 - 25°C on Rose Bengal Medium for 48 - 72 hours.

Organism	Growth	Colour of the colony
TSA medium		
** <i>Bacillus spizizenii</i> ATCC 6633 (00003*)	luxuriant	Red to Maroon
## <i>Phocaeicola vulgatus</i> ATCC 8482	luxuriant	Red to Maroon
<i>Candida albicans</i> ATCC 10231 (00054*)	luxuriant	Red to Maroon
<i>Escherichia coli</i> ATCC 25922 (00013*)	luxuriant	Red to Maroon
<i>Neisseria meningitidis</i> ATCC 13090	luxuriant	Red to Maroon
<i>Staphylococcus aureus</i> subsp. <i>aureus</i> ATCC 25923 (00034*)	luxuriant	Red to Maroon
<i>Streptococcus pyogenes</i> ATCC 19615	luxuriant	Red to Maroon
Rose Bengal Medium		
<i>Candida albicans</i> ATCC 10231 (00054*)	Good	Cream to off white
<i>Escherichia coli</i> ATCC 25922 (00013*)	inhibited	-

# <i>Aspergillus brasiliensis</i> ATCC 16404	Good	-
\$ <i>Kokuria rhizophila</i> ATCC 9341	inhibited	- Cream to off white
<i>Saccharomyces cerevisiae</i> ATCC 9763 (00058*)	Good	

Key : *Corresponding WDCM numbers.

**Formerly known as *Bacillus subtilis* subsp. *spizizenii*

Formerly known as *Aspergillus niger*

\$ Formerly known as *Micrococcus luteus*

Formerly known as *Bacteroides vulgatus*

Storage and Shelf Life

Store between 15-30°C. Use before expiry date on the label. Product performance is best if used within stated expiry period.

Disposal

Used HiDip™ slides should be handled carefully, as it contains live microorganisms. These slides can be best disposed off either by or by immersing in a suitable disinfectant solution (i.e. dettol, phenyl etc.) over night or by autoclaving them after loosening the cap.

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Disclaimer :

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