

# PRODUCT INFORMATION

**Product Type:** PETRI DISHES 90mm

**Cat No. PD102 - HAEMOPHYLUS ANTIBIOGRAMMA AGAR (HAA)**

## Intended Use:

medium formulated for the susceptibility testing of *Haemophilus* species isolated from clinical samples.

## Principle and Uses:

The genus *Haemophilus* is comprised of a wide variety of clinically relevant species capable of causing infection in humans<sup>1</sup>. These organisms are Gram-negative, film-forming, coccobacilli bacteria with marked pleomorphism and an ideal growth temperature of 35 to 37°C<sup>1</sup>.

HAA medium, based on the formulation developed by Jørgensen, is recommended by the United States CLSI. The medium consists of Mueller-Hinton Agar with added yeast extract and supplemented with NAD (nicotinamide adenine dinucleotide) factor required for the growth of *Haemophilus* species. Yeast extract provides an additional source of growth factors. Beef extract and casein hydrolysate supply amino acids, nitrogenous substances, vitamins, and minerals necessary for growth. Agar is the solidifying agent. This medium was specially formulated for susceptibility testing of *Haemophilus influenzae*. HAA gives results that have been found to be highly reproducible. The transparency of the medium allows zones of inhibition to be read easily through the bottom of the plate.

## Reference

1. Baron, S. 1996. Medical Microbiology. 4th edition. Galveston, Texas, USA.

## Composition

Mueller Hinton Agar (38.0 g/L)

### Mueller Hinton Agar Typical Formula:

Dehydrated infusion from beef - 300.0 g/L

Casein hydrolysate - 17.5 g/L

Starch - 1.5 g/L

Agar - 17.0 g/L

Yeast Extract 5.0 g/L

NAD - nicotinamide adenine dinucleotide - 16 mg/L

Growth factors - 30 ml/L

**Storage:** 2-8 °C

**Appearance:** Light amber

**pH Range:** 7.2 - 7.4

**Package contents:** 10 plates in a package

**Exp. Date:** Printed on label and on the item.

**Required materials not supplied:** Laboratory equipment as required.

**Warning and Precautions** - For professional use only. Follow good microbiological lab practices while handling specimens and culture. Do not use Petri dishes if they show evidence of microbial contamination, discoloration, drying, cracking, or other signs of deterioration. Avoid freezing and overheating. The Petri Dishes may be used / inoculated up to the expiration date and incubated for the recommended incubation times. After use and prior to discarding, specimen containers and all contaminated material, including the used culture media and contaminated culture containers, must be sterilized or incinerated by validated procedures. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.

If excessive moisture is observed, invert the bottom over an off-set lid and allow to air dry in order to prevent formation of a seal between the top and bottom of the plate during incubation. Storage Instructions: On receipt, store plates in the dark at 2–8 °C. Avoid freezing and overheating. Do not open until ready to use.

**Waste Disposal**

After interpretation all plates should be destroyed by standard incineration methods.

**Performance Testing Results**

**GPT:** Inoculum 10-100 cfu

TEST	ATCC	Incubation Temp. (°C)	Incubatio n Cond	Reaction	Antibioti c 1	Antibioti c 2	Antibioti c 3	Antibioti c 4
<i>Haemophilus influenzae</i>	4924 7	33-37 °C	5% CO <sub>2</sub> , 18 hours	Sensitivity	AMP	CHL	IMP	SXT

**AMP** – Ampicillin 10ug, **CHL** – Chloramphenicol 30 ug, **IMP** - Imipenem 10ug, **STX** – Trimethoprim-1.25 ug /Sulphamethoxazole – 23.75ug.