

## PRODUCT INFORMATION

Your Smarter Culture Media Choice



# Hektoen Enteric Agar

## Cat. No. H08-102

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## DESCRIPTION

Hektoen Enteric Agar is a differential agar medium used for the isolation and identification of pathogens found in the intestinal tract. The inhibitory action of this medium has been tempered by increasing the concentration of peptones and carbohydrates thus allowing better recovery and growth of *Salmonella spp.* and *Shigella spp.*

### Formula\* per Liter:

Peptic Digest of Animal Tissue .....	12.0g
Yeast Extract .....	3.0g
Sucrose .....	12.0g
Salicin.....	2.0g
Ferric Ammonium Citrate .....	1.5g
Acid Fuchsin.....	0.1g
Lactose .....	12.0g
Bile Salts .....	9.0g
Sodium Chloride.....	5.0g
Sodium Thiosulfate .....	5.0g
Bromthymol Blue .....	0.064g
Agar.....	13.3g

**Final pH:** 7.5 ± 0.2 at 25°C

\* Grams per liter may be adjusted or formula supplemented to obtain desired performance.

## PREPARATION

Mix 75 grams of the medium in one liter of purified water until evenly dispersed. Heat with repeated stirring and boil until dissolved completely. DO NOT AUTOCLAVE.

## QUALITY CONTROL SPECIFICATIONS

1. The powder is homogeneous, free flowing, and light green-beige.
2. Visually the prepared medium is clear to trace hazy and light to dark green in color.
3. Expected cultural response after 18-24 hours at 35°C.

### Organism:

*Enterobacter aerogenes* ATCC® 13048

*Escherichia coli* ATCC® 25922

*Proteus vulgaris* ATCC® 13315

*Salmonella typhimurium* ATCC® 14028

*Shigella flexneri* ATCC® 12022

### Result:

Growth, Salmon colonies w/ bile ppt.

Complete Inhibition

Complete Inhibition

Growth, Green colonies w/ black centers

Growth, Green colonies

## STORAGE

Store the sealed bottle containing the dehydrated medium at 2 to 30°C. Once opened and recapped, place the container in a low humidity environment at the same storage temperature. Protect it from moisture and light. The dehydrated medium should be discarded if it is not free flowing, or if the color has changed from the original light green-beige.