

PRODUCT INFORMATION

Hektoen Enteric Agar

Cat. No. H08-102



ALPHA[™]
BIOSCIENCES

Date of Issue:
10/01/17

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.*

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 color.

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
Bromothymol 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.