

PRODUCT INFORMATION

Hektoen Enteric Agar

Cat. No. H08-102

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 (g/L)

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

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 for one minute to dissolve completely. DO NOT AUTOCLAVE.

QUALITY CONTROL SPECIFICATIONS

1. The powder is homogenous, 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	RESULT
<i>Enterobacter aerogenes</i> ATCC 13048	Good Growth – Salmon colonies w/ bile precipitate
<i>Escherichia coli</i> ATCC 25922	Partial to Complete Inhibition
<i>Proteus vulgaris</i> ATCC 13315	Partial to Complete Inhibition
<i>Salmonella typhimurium</i> ATCC 14028	Good Growth – Green colonies w/ black centers
<i>Shigella flexneri</i> ATCC 12022	Good 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.

Version 01 – Date 12/12/23