

PRODUCT INFORMATION

E. coli O157:H7 Chromogenic Agar Base

Cat. No. E05-112

DESCRIPTION

E. coli O157:H7 Chromogenic Agar Base is used for the detection of *E. coli* O157:H7. Chromogenic mixture allows to easily detect the presence of *E. coli* O157:H7 by colony coloration that grows pale pink. Potassium tellurite and cefixime are highly selective for *E. coli* O157:H7 and inhibit most contaminating bacteria including other *E. coli* strains and coliforms.

FORMULA (g/L)

Bacteriological Agar	15.0 g	Chromogenic Mixture	2.8 g
Peptone Mixture	20.0 g		

Final pH: 7.1 ± 0.2 at 25 °C

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

PREPARATION

Mix 18.9 grams of the medium in 500 mL of purified water until evenly dispersed. Heat with repeated stirring and boil for one minute to dissolve completely. Distribute and autoclave at 121°C for 10 minutes. Cool to 45-50 °C and aseptically add one vial of Cefixime Tellurite Supplement (C03-157). Homogenize gently and dispense into Petri dishes.

QUALITY CONTROL SPECIFICATIONS

1. The powder is homogenous, free flowing and beige.
2. Visually the prepared medium is amber, with trace to light haze.
3. Expected cultural response after 18-24 hours at 35 °C.

ORGANISM	RESULT
<i>Klebsiella aerogenes</i> ATCC 13048	Inhibited
<i>Salmonella typhimurium</i> ATCC 14028	Inhibited
<i>Enterococcus faecalis</i> ATCC 19433	Inhibited
<i>Escherichia coli</i> ATCC 25922	Inhibited

<i>Staphylococcus aureus</i> ATCC 25923	Inhibited
<i>Escherichia coli</i> O157:H7 ATCC 43895	Good Growth – Pale Pink Colonies
<i>Escherichia coli</i> ATCC 8739	Inhibited

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.