

PRODUCT INFORMATION

PEC Chromogenic Agar

Cat. No. P16-164

DESCRIPTION

PEC Chromogenic Agar is a selective medium specially formulated for the isolation and detection of *E. coli*, *Pseudomonas aeruginosa* and *Candida albicans*. These species are identifiable due to the mixture of chromogenic substrates and, additionally, tryptophan allows for Indole test to be performed for further *E. coli* confirmation.

FORMULA (g/L)

Bacteriological agar	16.0 g	Chromogenic Mixture	0.5 g
Peptone	16.0 g	Growth Factors	13.0 g
L-Tryptophan	2.0 g		

Final pH: 7.2 ± 0.2 at 25 °C

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

PREPARATION

Mix 47.5 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. AVOID OVERHEATING. DO NOT AUTCLAVE.

QUALITY CONTROL SPECIFICATIONS

1. The powder is homogenous, free flowing and beige.
2. Visually the prepared medium is light to medium yellow, with trace to light haze.
3. Expected cultural response after 24-48 hours at 37 °C.

ORGANISM	RESULT
<i>Candida albicans</i> ATCC 10231	Good Growth – Green colonies
<i>Enterococcus faecalis</i> ATCC 19433	Inhibited
<i>Escherichia coli</i> ATCC 25922	Good Growth – Pink colonies / UV fluorescence
<i>Staphylococcus aureus</i> ATCC 25923	Inhibited

<i>Pseudomonas aeruginosa</i> ATCC 27853	Good Growth – Yellow colonies / UV fluorescence
<i>Enterococcus faecalis</i> ATCC 29212	Inhibited
<i>Staphylococcus aureus</i> ATCC 6538	Inhibited
<i>Escherichia coli</i> ATCC 8739	Good Growth – Pink colonies / UV fluorescence
<i>Pseudomonas aeruginosa</i> ATCC 9027	Good Growth – Yellow colonies / UV fluorescence

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.