



## Yeast Extract Calcium Carbonate Glucose Agar

M1182

Yeast Extract Calcium Carbonate Glucose Agar is used for the isolation and cultivation of *Erwinia* species.

### Composition\*\*

Ingredients	Gms / Litre
Yeast extract	10.000
Glucose	20.000
Calcium carbonate	20.000
Agar	15.000

\*\*Formula adjusted, standardized to suit performance parameters

### Directions

Suspend 65.0 grams in 1000 ml distilled water. Heat just to boiling. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.

Note : Due to presence of Calcium Carbonate, the prepared medium forms opalescent solution with white precipitate.

### Principle And Interpretation

Yeast Extract Calcium Carbonate Glucose Agar is used for the isolation and cultivation of *Erwinia* species, all these species produce excessive acid. A clear zone surrounding each colony results from acid secretion, which liberates the carbonate as CO<sub>2</sub>.

### Quality Control

#### Appearance

Off-white coloured homogeneous free flowing powder

#### Gelling

Firm, comparable with 1.5% Agar gel

#### Colour and Clarity of prepared medium

Light yellow coloured opalescent gel with white precipitate.

#### Cultural Response

M1182: Cultural characteristics observed after an incubation at 25-30°C for 48-72 hours.

#### Organism                      Growth

#### Cultural Response

*Erwinia caratorcore* ATCC 15713 luxuriant

*Erwinia chrysanttemi* ATCC 11633 luxuriant

### Storage and Shelf Life

Store below 30°C in tightly closed container and the prepared medium at 2-8°C. Use before expiry date on the label.

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#### Disclaimer :

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