

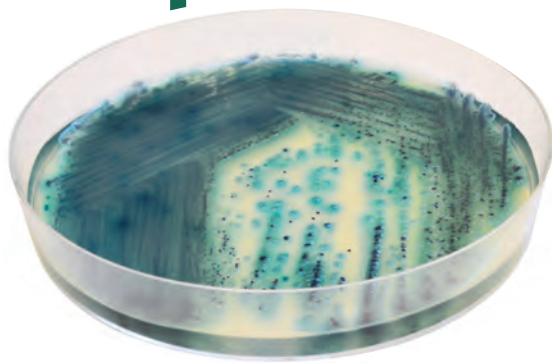
IVD solutions through partnership



## CHROMagar™ Pseudomonas

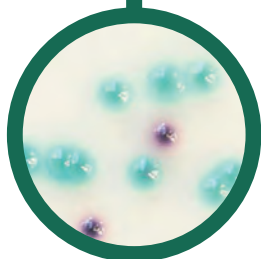
For isolation and detection of *Pseudomonas* spp.

# ● CHROMagar™ Pseudomonas



## Plate Reading

- *Pseudomonas* including *P.aeruginosa*  
→ blue green
- Most of *Enterobacteriaceae*  
→ mauve to violet or inhibited
- Gram + bacteria  
→ inhibited



## For isolation and detection of *Pseudomonas* species

### Background

*Pseudomonas* are ubiquitous bacteria found in the soil, on plants, in freshwater and marine habitats. Many strains can grow at low temperature (psychrophilic strains) and may contaminate food or pharmaceutical products stored in the refrigerator.

**Food industry and environmental issues:** *P.aeruginosa* is a valid indicator for recreational water disinfection efficacy. This parameter is currently used as a criterion in the regulation of wading and swimming pools. Moreover, *P.aeruginosa* is important not only in terms of its role as an indicator, but also because it is an opportunistic pathogen whose transmission is often associated with water.

Other forms of *Pseudomonas* bacteria are known to cause food spoilage at low temperatures. These psychrophilic *Pseudomonas* strains include: *P.fragi*, which causes spoilage of dairy products, *P.taetrolens* which causes mustiness in eggs and *P.mudicolens* and *P.lundensis*, which cause spoilage of milk, cheese, meat, and fish, but are rarely a cause of food poisoning.

### Medium Performance

- 1 Fast**  
24h incubation.
- 2 Filtration method**  
A membrane filtration method can be used for detection from 100 mL of water, the inoculated membrane is placed on the agar plate.
- 3 Easy preparation**  
The pre-weighed agar powder is mixed with the required volume of distilled water.
- 4 Easy to read**  
One unique intensified colour for *Pseudomonas*.
- 5 Simple to use**  
Colonies can be viewed under normal lighting conditions. *Pseudomonas* colonies develop with an intense blue-green colony colour, clearly visible to the naked eye.

### Medium Description

Powder Base	
Total .....	45.5 g/L
Agar .....	15.0
Peptone .....	20.0
Salts.....	8.0
Chromogenic mix .....	2.5
Storage at 15/30 °C - pH: 7.5 +/- 0.2	
Shelf Life .....	> 18 months

Usual Samples	Clinical: sputum etc Food Industry: environmental, water, meat, air, surfaces
Procedure	Direct Streaking. Incubation at 30 °C for 24/36 h. Extension to 48h for fragile <i>Pseudomonas</i> species (small colonies etc). Aerobic condition.

Scientific Publications on this product: available on [www.CHROMagar.com](http://www.CHROMagar.com)  
Please read carefully the instructions for use (IFU document) available on [www.CHROMagar.com](http://www.CHROMagar.com)



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#### Ordering Information

Product	Order Code
CHROMagar™ <i>Pseudomonas</i> dry media, 5 liter	15PS832
CHROMagar™ <i>Pseudomonas</i> ready to use plates, 20 pcs.	201480