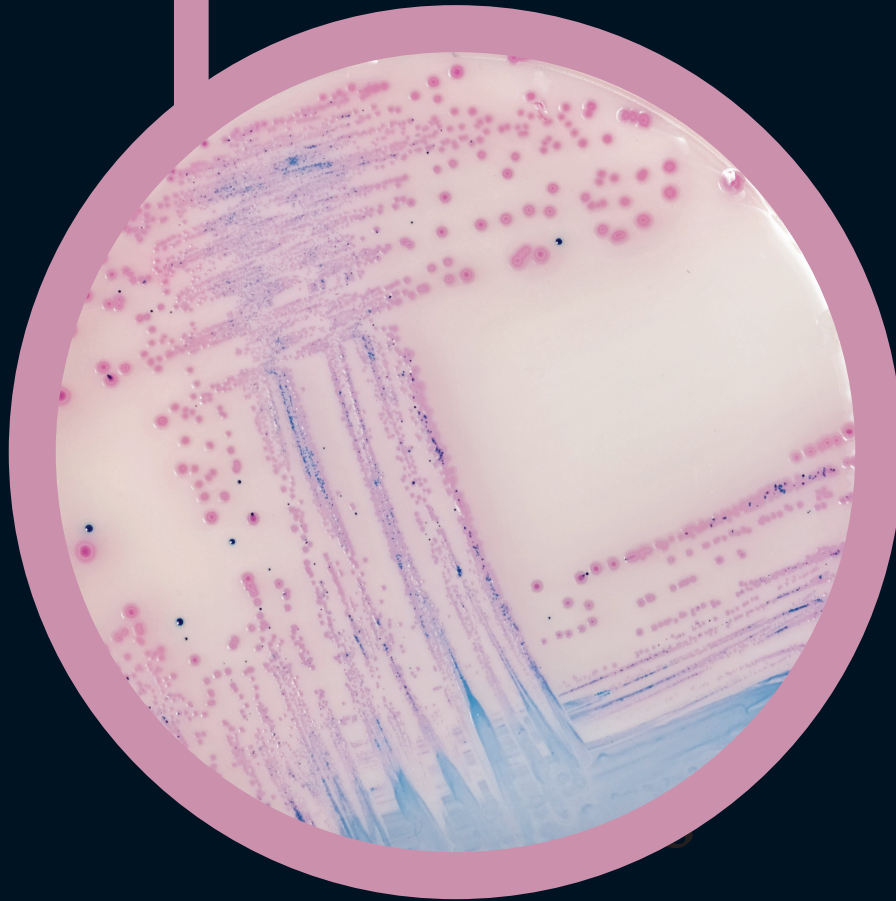
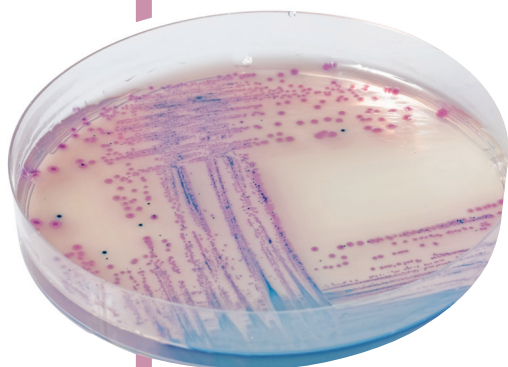


# ● CHROMagar™ Salmonella

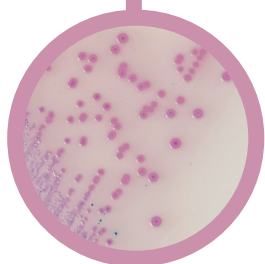


For detection and isolation of *Salmonella*



### Plate Reading

- *Salmonella* including *S.typhi*  
→ mauve
- Other bacteria  
→ blue, colourless or inhibited.



## For detection and isolation of *Salmonella* species, including *S.typhi* and *S.paratyphi* in clinical specimens

### Background

Infections caused by *Salmonella* spp, including *Salmonella typhi*, remain a major worldwide health problem:

- In the US, *Salmonella* has an incidence rate of 16.2 cases per 100,000 (CDC estimation, 2008).
  - In Europe, it is reported as the first cause of collective toxi-infections. (2007 EFSA report)
  - In developing countries, *Salmonella typhi* and *paratyphi* are commonly encountered with an estimated annual incidence of about 17 million cases. (2007 EFSA report)
- Moreover, according to a recent WHO report, *Salmonella* infections are responsible for 2 million deaths per year from diarrhoea.

Mainly due to contamination in the food chain and/or during food-production processes, *Salmonella* commonly induces enteric illness whose major symptoms are abdominal cramps, diarrhea, nausea, vomiting. More severe cases, for instance typhoid cases or infections in immuno-depressed patients, can lead to body dehydration with renal failure or bacteraemia.

### Medium Performance

- EASY READING**  
intense mauve colony colours for better identification.
- GREATER SPECIFICITY / LESS WORKLOAD**  
conventional media for the detection of *Salmonella* by H<sub>2</sub>S character have very poor specificity resulting in numerous false positives (*Citrobacter*, *Proteus*, etc.) among the rare, real positive *Salmonella*. The workload for unnecessary examination of suspect colonies is so heavy that real positive *Salmonella* colonies might often be overlooked in routine testing. Because of their poor specificity, conventional media require a tedious examination of at least 10 colonies per suspected sample. On the contrary, CHROMagar™ Salmonella eliminates most of those false positives and allows technicians to focus on the real contaminated samples.
- HIGH SENSITIVITY AND SPECIFICITY**  
leading to a higher detection rate of *Salmonella*

**Sensitivity: 100%\***

**Specificity: 89%\* compared to 78% with Hektoen Agar.**

\*Specificity and sensitivity from scientific study: "Comparison of CHROMagar Salmonella medium and Hektoen Enteric Agar for isolation of Salmonella from stool samples." Gaillet O. et al. 1999. Journal of Clinical Microbiology, 37 : 762-765

- DRAMATIC REDUCTION OF THE WORKLOAD**  
Number of useless confirmatory tests is minimized since there is no need of duplicating them.

### Medium Description

<b>Powder Base</b>	Total .....	34.9 g/L
	Agar .....	15.0
	Peptone & Yeast extract .....	7.0
	Chromogenic and selective mix .....	12.9
	Storage at 15/30°C - pH: 7.6 ± 0.2	
	Shelf Life .....	2 years

Usual Samples	- Syndrom typhoid → stool or blood samples - Gastro enteritis → stool samples
Procedure	Direct Streaking. Incubation 24h, 37°C. Aerobic condition.

Scientific Publications on this product: available on [www.CHROMagar.com](http://www.CHROMagar.com)  
For detailed preparation procedure, please refer to our IFU.

### Quality Control Strains

<i>S. enteritidis</i> ATCC® 13076 .....	mauve
<i>S. typhimurium</i> ATCC® 13311 .....	mauve
<i>E. coli</i> ATCC® 25922 .....	metallic blue, small
<i>C. freundii</i> ATCC® 8090 .....	metallic blue
<i>C. albicans</i> ATCC® 60193 .....	inhibited
<i>S. aureus</i> ATCC® 25923 .....	inhibited

ATCC® is a registered trademark of the American Type Culture Collection

### Order References

Please use these product references when contacting your local distributor:

- 1000 ml pack ..... SA130
- 5000 ml pack ..... SA132
- 25 L pack ..... SA133-25
- Bulk ..... on request

CHROMagar  
4 place du 18 juin 1940  
75006 Paris - France

Find your nearest distributor on  
[www.CHROMagar.com/contact](http://www.CHROMagar.com/contact)