PRODUCT INFORMATION

Salmonella Chromogenic Agar

Cat. No. S19-149

DESCRIPTION

Salmonella Chromogenic Agar is a selective chromogenic medium, used for the detection and isolation of Salmonella species from clinical samples, foods and waters. A chromogenic agent is based on two chromogenic substrates that ease quick identification. Magenta colonies result of the hydrolysis of one of them by the Salmonella species, which do not have the ability to hydrolyze the second one, while microorganisms producing the enzyme that cleaves the second one will produce blue-green colonies.

FORMULA (g/L)

Bacteriological agar	12.8 g	Casein peptone	5.0 g
Chromogenic mixture	5.81 g	Beef extract	5.0 g
Sodium citrate	8.5 g		

Final pH: 7.2 ± 0.2 at 25 ºC

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

PREPARATION

Mix 37.1 grams of the medium in one liter of purified water at 80 ºC until evenly dispersed. Heat with repeated stirring and boil for one minute to dissolve completely. AVOID OVERHEATING, DO NOT AUTOCLAVE.

QUALITY CONTROL SPECIFICATIONS

1. The powder is homogenous, free flowing and beige.
2. Visually the prepared medium is amber, slightly opalescent with slight precipitate.
3. Expected cultural response after 18-24 hours at 35 ºC.

Version 01 – Date 03/18/24

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ORGANISM	RESULT
Salmonella enteritidis ATCC 13076	Good Growth – Magenta colony
Proteus vulgaris ATCC 13315	Good Growth – Colorless colony
Salmonella typhimurium ATCC 14028	Good Growth – Magenta colony
Salmonella typhi ATCC 19430	Good Growth – Magenta colony
Escherichia coli ATCC 25922	Good Growth – Colorless colony
Salmonella dyarizoneae ATCC 29934	Good Growth – Magenta colony

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.

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