

PRODUCT INFORMATION

Staphylococcus Chromogenic Agar

Cat. No. S19-150

DESCRIPTION

Staphylococcus Chromogenic Agar is a selective chromogenic medium used for the isolation, quantification and identification of *Staphylococcus* spp. in clinical samples. It contains a chromogenic mixture that allows for the identification of the different species and inhibitors to prevent the development of the accompanying flora.

FORMULA (g/L)

Bacteriological Agar	12.5 g	Peptone Mixture	41.0 g
Growth Factors	56.0 g	Chromogenic Mixture and Inhibitors	0.245 g

Final pH: 7.0 ± 0.2 at 25 °C

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

PREPARATION

Mix 110 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. DO NOT AUTOCLAVE. Cool to 45-50 °C and homogenize gently before dispensing into Petri dishes.

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 35 °C.

ORGANISM	RESULT
<i>Staphylococcus epidermis</i> ATCC 12228	Good Growth – Light green colony
<i>Salmonella typhimurium</i> ATCC 14028	Inhibited
<i>Staphylococcus saprophyticus</i> ATCC 15305	Good Growth – Greenish blue colony
<i>Escherichia coli</i> ATCC 25922	Inhibited
<i>Staphylococcus aureus</i> ATCC 25923	Good Growth – Magenta colony

<i>Staphylococcus xylosus</i> ATCC 29971	Good Growth – Dark blue colony
<i>Staphylococcus aureus</i> ATCC 43300	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.