

Salt Egg Yolk Agar Base



Code	Form	Package	Storage	Shelf Life
05238	Granule	300 g	Dry, RT	3 years

Directions

Suspend 115.0 g of the dehydrated medium in 1,000 mL of distilled water, mix well and heat to dissolve the medium. Sterilize by autoclaving at 121 °C for 15 minutes. Cool down to approximately 50 - 60 °C. Add an egg yolk suspension in a ratio of 10 % with thorough mixing. Distribute about 20 mL of the medium into Petri dishes. Dry the surface of the plate before use. For preparation of an egg yolk suspension, aseptically add one egg yolk to 30 ml of 10 % sterilized sodium chloride solution, and make homogeneous egg yolk suspension by thorough mixing. It is advisable to take the egg yolk from an egg that weights more than 50 g.

Determinations

Inoculate the specimens on the plate and incubate at 37 °C for 24 - 40 hours. Coagulase-positive staphylococci form clear yellow or lemon-colored colonies. In 20 hours of incubation in a short-time case or in 40 hours at the longest, the colonies opacify

The medium in ring shapes from the lower part of the colonies. In 18 - 24 hours of incubation pearly-lustrous rings like those made by oil drops falling upon the water surface are formed around the colonies on the medium. Therefore, even the pearly-lustrous rings alone can serve as a means of differentiation of coagulase-positive staphylococci. Colonies of coagulase-negative staphylococci are rather opaque and do not form pearly-lustrous rings or opacify the medium.

Formula

Components	In 115.0 g/L
Heart Extract Powder	5.0 g
Peptone	10.0 g
Sodium Chloride	70.0 g
Lithium Chloride	5.0 g
Mannitol	10.0 g
Agar	15.0 g
	pH 7.3 ±