

Staphylococcus Medium No. 110

(Selective isolation medium for Staphylococci)

Code	Form	Package	Storage	Shelf Life
05234	Granule	300 g	Dry, RT	3 years

Directions

Suspend 150.0 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. Distribute about 20 mL of the medium into Petri dishes. Dry the surface of the plate before use.

Determinations

Incubate at 30 °C for 48 hours or 37 °C for 43 hours. Pathogenic staphylococci form yellowish or lemon-colored colonies on the medium and have abilities to utilize mannitol, to liquefy gelatin (positive to Stone reaction), to coagulate plasma and to hemolyze rabbit blood.

Remarks

Most of bacteria except staphylococci are inhibited on the medium, and some of the non-pathogenic staphylococci are also

inhibited to some extent. Pathogenic staphylococci generally form yellowish or lemon-colored colonies on the medium, while non-pathogenic strains form white ones.

The ability for producing pigment, utilizing mannitol and liquefying gelatin can be directly examined on the medium.

Formula

Components	In 150.0 g/L
Peptone	10.0 g
Yeast Extract	2.5 g
Gelatin	30.0 g
Mannitol	10.0 g
Sodium Chloride	75.0 g
Lactose	2.0 g
Dipotassium Phosphate	5.0 g
Agar	15.0 g
	pH 7.5 ±