

SS Agar

(Selective isolation and differential medium for *Salmonella* and *Shigella*)



Code	Form	Package	Storage	Shelf Life
05021	Granule	240 g	Dry, RT	3 years
05020		60 g × 20		

Directions

Suspend 60.0 g of the dehydrated medium in 1,000 mL of distilled water, mix well and heat to dissolve the medium. Distribute about 20 mL amounts to Petri dishes. Dry the surface of the plate until moisture disappears from the surface by leaving the lids of the dishes partly open. Do not autoclave.

Determinations

Inoculate the specimens heavily and incubate at 37 °C for 20 - 24 hours. Pathogenic bacteria form semitransparent colonies. Lactose fermenters form pink or red colonies. Some strains of *Proteus* produce hydrogen sulfide and turn black. *Proteus* grown on the medium forms colonies similar to those of pathogenic bacteria.

Remarks

Features: The medium inhibits the growth of *E. coli* and miscellaneous bacteria. The medium does not require any sterilizing procedures. The medium enables to

detect pathogenic bacteria easily and its detection rate is far more excellent than other media.

Note: The medium requires inoculation of a large amount of feces than in case of other selective media.

Formula

Components	In 60.0 g/L
Meat Extract	5.0 g
Bile Salts	9.0 g
Peptone	7.5 g
Lactose	10.0 g
Sodium Citrate	8.5 g
Sodium Thiosulfate	5.5 g
Ferric Citrate	1.0 g
Neutral Red	0.025 g
Brilliant Green	0.33 mg
Agar	13.5 g
	pH 7.3 ±