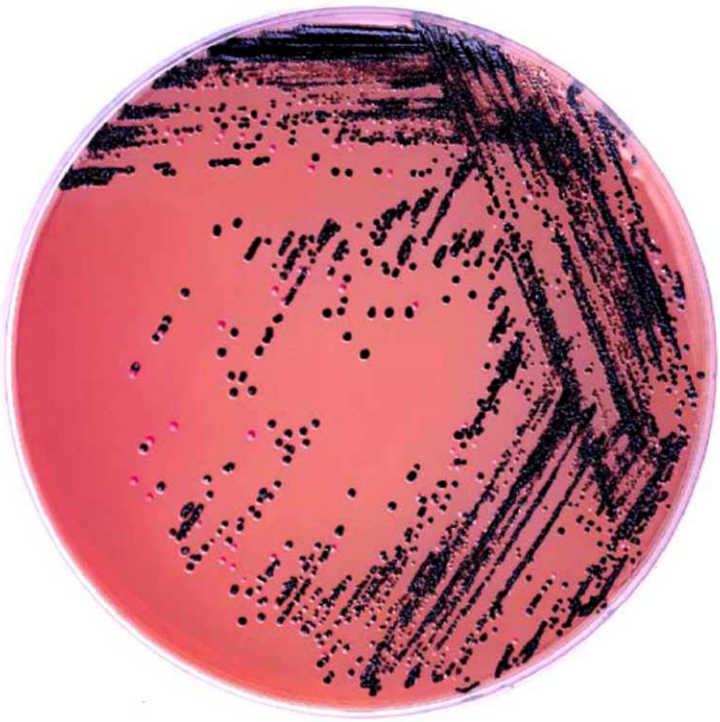
HyServe

SSB Agar

***(Salmonella Shigella* Brom Cresol Purple Agar)**



Code	Form	Package	Storage	Shelf Life
05025	Granule	300 g	Dry, RT	3 years
05024		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 into Petri dishes without sterilizing and dry the surface of the plate sufficiently before use. Incubate at 37 °C for 16 - 18 hours.

Determinations

Organisms non-fermenting lactose and saccharose such as *Salmonella* and *Shigella* form light blue, semitransparent colonies.
On the other hand, organisms fermenting lactose and saccharose form purple or pink, turbid colonies, which makes differentiation between two types of colonies easy. Organisms such as *Proteus* fermenting saccharose form light purple colonies, while the lactose and saccharose form vividly reddish purple, turbid colonies. The medium strongly supports the growth of *Salmonella,* and even S. *pullorum* and S. *enteritidis,* which hardly grow on SS agar, grow well on this medium. There is no need to inoculate the specimen heavily as in case of SS Agar.

Remarks

The medium contains the combination of two dyes, i.e. neutral red and brom cresol purple, so that the plate assumes a reddish purple color. Thus the medium is distinctive in its usage from SS Agar, DCLS Agar and MacConkey Agar.
Salmonella and *Shigella* form light blue, semitransparent colonies on the medium larger than those on SS agar in a short time of incubation (16 - 18 hours). On the other hand, organisms fermenting

Formula

Components	In 60.0 g/L
Meat Extract	3.0 g
Peptone	8.0 g
Sodium Citrate	5.0 g
Sodium Thiosulfate	2.0 g
Ferric Ammonium Citrate	1.0 g
Lactose	10.0 g
Sucrose	10.0 g
Bile Salts	5.0 g
Neutral Red	0.02 g
Brom Cresol Purple	0.01 g
Agar	16.0 g
	pH 7.4 ±

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