

PRODUCT INFORMATION

Soy Peptone Yeast Extract Agar

Cat. No. S19-112

DESCRIPTION

Soy Peptone Yeast Extract Agar is used for the selective isolation of dermatophytes and other pathogenic fungi in clinical samples. It is a modification of Sabouraud Medium formulated by Carmichael and Claus to selectively isolate *Trichophyton verrucosum*, a fungus associated with ringworm infections. Soy Peptone Yeast Extract Agar contains streptomycin and chloramphenicol, which inhibits bacteria but allows the detection of fungal pathogens.

FORMULA (g/L)

Soy Peptone	10.0 g	Dextrose	40.0 g
Yeast Extract	5.0 g	Streptomycin	0.03 g
Chloramphenicol	0.05 g	Agar	17.0 g

Final pH: 6.6 ± 0.2 at 25 °C

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

PREPARATION

Mix 72 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. Distribute and autoclave at 121°C for 15 minutes.

QUALITY CONTROL SPECIFICATIONS

1. The powder is homogenous, free flowing and light beige.
2. Visually the prepared medium is clear to trace hazy and amber in color.
3. Expected cultural response after 7 days at 25-30 °C.

ORGANISM	RESULT
<i>Candida albicans</i> ATCC 10231	Good Growth
<i>Trichophyton mentagrophytes</i> ATCC 9533	Good Growth
<i>Escherichia coli</i> ATCC 25922	Inhibited



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.

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