

# Yeast Extract Soy Agar

Medium used for selective isolation of dermatophytes and other pathogen fungus in clinic samples

## Formula in grams per liter:

Dextrose	40,00	Soy Peptone	10,00
Yeast Extract	5,00	Chloramphenicol	0,05
Streptomycine	0,03	Bacteriological Agar	17,00

Final pH: 6,6 ± 0,2 at 25 °C

## Preparation:

Suspend 72 grams of the dehydrated medium in one liter of distilled water. Heat agitating frequently until completely dissolved. Sterilize in autoclave at 118°C ( 12 lbs.sp) for 15 minutes.

## Uses:

Yeast Extract Soy Agar is a modification of the Sabouraud Medium and was formulated by Carmichael and Claus for the selective isolation of *Trychophyton verrucosum* as well as other fungi associated with contagious diseases. Yeast Extract Soy Agar contains streptomycine and chloramphenicol, antibiotics that inhibit the bacterial grow but allow to detect pathogenic fungi.

## Microbiological Tests:

Microorganisms	Growth
<i>Candida albicans</i> ATCC 10231	Satisfactory
<i>Escherichia coli</i> ATCC 25922	Inhibited
<i>Trycophyton mentagrophytes</i> ATCC 9533	Satisfactory

