

## PEPTONE YEAST EXTRACT AGAR

Selective medium for the enumeration of yeasts and moulds in foodstuffs

### TYPICAL FORMULA (g/l)

Soy Peptone	10.00
Yeast Extract	5.00
Glucose	40.00
Streptomycin Sulphate	0.03
Chloramphenicol	0.05
Agar	15.0

### DIRECTIONS

Suspend 70g in 1000ml of cold distilled water. Heat to boiling, distribute and sterilise by autoclaving at 121 C for 15 minutes.

Final pH 6.6 ± 0.2

### DESCRIPTION

Peptone Yeast Extract Agar is a selective medium for the isolation and enumeration of yeasts and moulds in foodstuff. The inhibition of bacteria is obtained with streptomycin 30mg/l and chloramphenicol 50mg/l included in the medium.

### TECHNIQUE

Inoculate 0.1ml of sample dilutions on the surface of the well dry plates and distribute with a loop. Incubate at 30°C for 4 days. Confirm the presence of yeasts or moulds by microscopic examination.

### USER QUALITY ASSURANCE (25°C-3 days)

Productivity control

*C.albicans* ATCC 10231: good growth

*A.niger* ATCC 16404: good growth

*P.cyclopium* ATCC 16025: good growth

*S.cerevisiae* ATCC 9763: good growth

Selectivity control

*E.coli* ATCC 25922: inhibited

*B.subtilis* ATCC 6633: inhibited

### Storage

Dehydrated medium: 10-30°C

User prepared flasks and plates: 1 month at 2-8°C

### PACKAGING

<b>4018951</b>	<b>Peptone Yeast Extract Agar</b>	<b>100g (1.4 l)</b>
<b>4018952</b>	<b>Peptone Yeast Extract Agar</b>	<b>500g (7.11)</b>