ROSE BENGAL CHLORAMPHENICOL AGAR

Selective medium for the enumeration of yeasts and moulds.

TYPICAL FORMULA (G/L)

Mycological Peptone	5.00
Potassium Phosphate Bibasic	1.00
Magnesium Sulphate	0.50
Glucose	10.0
Rose Bengal	0.05
Agar	15.0
Chloramphenicol	100 mg

DIRECTIONS

Suspend 32g in 1000 ml of cold distilled water and bring to the boil to dissolve completely. Sterilise by autoclaving at 121°C for 15 minutes, cool to approximately 50°Ca and distribute into sterile Petri dishes. Final pH 7.2 ± 0.1

DESCRIPTION

Rose Bengal Agar with chloramphenicol is prepared according to Jarvis's formula. It is recommended for the enumeration of yeasts and moulds in foods, when it is necessary to limit the diameter and height of the mould colonies, along with the production of aerial mycelia.

TECHNIQUE

Prepare suitable decimal dilutions of the samples. Add 1ml to empty Petri dishes using two dishes for each dilution. Add to each dish approximately 15ml of melted medium cooled to 50°C. Mix gently, allowing the medium to gel then incubate at 22°C for 5 days. Count the colonies in the plates containing 50 -100 colonies.

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

REFERENCES

• Banks, J.C., Board, R.G., Carter, J. and A.D. Dodge (1935) - J. App. Bacteriol. **58**, 391.
• Jarvis, B. (1973) - J. App. Bacteriol. **36**, 723.

PACKAGING

4019922 Rose Bengal Chloramphenicol Agar 500g (15.6 1tr)