

TRYPTIC GLUCOSE EXTRACT AGAR

For the enumeration of microorganisms by the aerobic plate count in water, milk and dairy products.

TYPICAL FORMULA (g/l)

Tryptone	5.0
Beef Extract	3.0
Glucose	1.0
Agar	15.0

DIRECTIONS

Suspend 24g in 1000 ml of cold distilled water. Heat to boiling with frequent agitation and sterilise by autoclaving at 121 °C for 15 minutes.

Final pH 7.0 ± 0.2

DESCRIPTION

Tryptic Glucose Extract Agar complies with the specifications given by the APHA for the examination of water and dairy products and the recommendation of American Petroleum Institute. Tryptic Glucose Extract Agar is a general-purpose medium recommended for the enumeration of microorganisms by the aerobic plate count. For the procedure, see Tryptic Glucose Yeast Agar technical sheet.

USER QUALITY ASSURANCE (30 °C – 72hrs)

Productivity control

E.coli ATCC 25922 : good growth

S.aureus ATCC 6538: good growth

B.subtilis ATCC 6633: good growth

STORAGE

Dehydrated medium: 10-30 °C

User prepared flasks: 3 months at 2-8 °C

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

REFERENCES

- American Petroleum Institute (1956) Recommended Practices for Biological Analysis of Subsurface Injection Waters, vol 38 1st. edition
- APHA (1998) - Standard Methods for the Examination of water and wastewater, 20th Edition.
- APHA (1972) - Standard Methods for the Examination of Dairy Products, 13th Edition.

PACKAGING

4021441	Tryptic Glucose Extract Agar	100g (4.2 l)
4021442	Tryptic Glucose Extract Agar	500g (20.8 l)