

CZAPEK DOX AGAR

For the cultivation of saprophytic fungi

Typical formula (g/l)

Sucrose	30.00
Sodium Nitrate	2.00
Dipotassium Hydrogen Phosphate	1.00
Magnesium Sulphate	0.50
Potassium Chloride	0.50
Ferrous Sulphate	0.01
Agar	15.00

CZAPEK DOX BROTH

For the cultivation of saprophytic fungi

Typical formula (g/l)

Sodium Nitrate	2.00
Potassium Chloride	0.50
Mg Glycerophosphate	0.50
Ferrous Sulphate	0.01
Potassium Sulphate	0.35
Sucrose	30.00

Directions

Suspend 49 g of agar and 33.4 g of broth in 1000ml of cold distilled water. Heat to boiling, distribute and autoclave at 121°C for 15 minutes.

Final pH	7.2 ± 0.2	Czapek Dox Agar
	7.0 ± 0.2	Czapek Dox Broth

Description

Czapek Dox Agar and Broth are semi-synthetic media of defined chemical composition used for the cultivation of saprophytic fungi and bacteria able to use inorganic nitrogen.

The sole source of inorganic nitrogen in the two media is the sodium nitrate, and the sole carbon source is the sucrose. Czapek Dox Broth is especially suitable for the enrichment, cultivation and identification of bacteria and fungi present in soil.

User quality assurance (25°C-72 h)

Productivity control

C.albicans ATCC 18804: growth

A.niger ATCC 9642: growth

Storage

Dehydrated media: 10-30°C

References

- Booth, C. (1971) - Methods in Microbiology Vol. 4, London: Academic Press.
- Dox, (1910) - U.S. Dept. Ag. Anim. Ind. Bull.: **120**, 70.
- Stein, R.J. (1973) - Handbo of Phycological Methods. Cambrige: University Press.

Packaging

4013602	Czapek Dox Agar,	500g (10.2 l)
4013652	Czapek Dox Broth,	500g (15 l)