



Medium: **General fungal and bacterial medium**

Purpose: **Cultivation of fungi and bacteria**



Czapex Dox Agar medium is used for the cultivation of those fungi and bacteria that are able to utilize sodium nitrate as the sole source of nitrogen.

**COMPOSITION OF MEDIA
C1715: CZAPEK DOX AGAR, CDA**

COMPOUND	GRAM/LITER
Agar	12.0
Ferrous sulphate	0.01
Magnesium glycerophosphate	0.5
Potassium chloride	0.5
Potassium sulphate	0.35
Sodium nitrate	2.0
Sucrose	30.0

METHOD

- Dissolve 45.5 grams of ingredients in distilled water and adjust volume to 1000 ml.
- The final pH has to be 6.8 ± 0.2 .
- Autoclave the solution (121 °C, 15 psi, 15 minutes).
- Allow medium to cool down to ca. 45 °C – 50 °C.
- Mix gently to avoid air bubbles and pour plates (15-20 ml per 9.0 cm plate).

Reference:

Tuite, J. 1969. Plant pathological methods - fungi and bacteria. Burgess publishing co., Minneapolis, MN. 293 pp.

For prepared and ready to use plates of this medium contact:
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C1715 CZAPEK DOX AGAR, CDA	
C1715.0100	100 g
C1715.0500	500 g
C1715.1000	1000 g