

### Product Information Sheet

## C506 Czapek-Dox Agar

#### Properties

Form:	Powder
Appearance:	Off-White to Tan
Application:	Microbiology
Solubility:	Partially Soluble in Water
Typical Working Concentration:	50.01 g/L
Storage Temp:	2-6 °C
Storage Temp of Stock Solution:	Stock solutions not recommended as precipitates may form.

#### Formula (mg/L)

Agar	15000	Potassium Phosphate, Dibasic, Anhydrous	1000
Ferrous Sulfate	10	Sodium Nitrate	3000
Magnesium Sulfate, Anhydrous	500	Sucrose	30000
Potassium Chloride	500		

#### Application Notes

Czapek-Dox medium is a semi-synthetic medium used for the cultivation of fungi. This medium is prepared according to the formula developed by Thom and Church. Czapek-Dox Medium is the modification of the original medium of Czapek-Dox as per Thom and Raper (1945)

Sucrose serves as the only source of carbon while sodium nitrate serves as the sole source of nitrogen. Dipotassium phosphate buffers the medium. Magnesium sulphate, potassium chloride, and ferrous sulphate are included as essential ions necessary for growth.

#### References

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