



## Product Information Sheet

### C443 Czapek-Dox Broth

#### Properties

Form:	Powder
Appearance:	White to Off-White
Application:	Microbiology
Solubility:	Soluble in Water
Typical Working Concentration:	35.01g/L
Storage Temp:	2-6 °C
Storage Temp of Stock Solution:	Stock solutions not recommended as precipitates may form.

#### Formula (mg/L)

Ferrous Sulfate, Heptahydrate	10	Potassium Phosphate, Dibasic, Anhydrous	1000
Magnesium Sulfate, Anhydrous	500	Sodium Nitrate	3000
Potassium Chloride	500	D-Sucrose	30000

#### Application Notes

Czapek-Dox broth is a semi-synthetic broth used for the cultivation of fungi. This medium is prepared according to the formula developed by Thom and Church. Czapek-Dox Broth 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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