



Product Information

CZAPEK DOX AGAR

Product Number **C 6095**

Product Description

Czapek Dox Agar is a semisynthetic medium containing sodium nitrate as the sole source of nitrogen. It is used for the cultivation of fungi. This medium can also be used for chlamydospore production by *Candida albicans*. The medium has good buffering action due to the presence of different salts. Czapek Dox Agar supports abundant growth of almost all saprophytic *Aspergilli* with characteristic mycelia and conidia formation.

Components

Item	g/L
Sucrose	30.00
Sodium Nitrate	2.00
Dipotassium Phosphate	1.00
Magnesium Sulfate	0.50
Potassium Chloride	0.50
Ferrous Sulfate	0.01
Agar	15.00

Final pH (at 25 °C) 7.3 ± 0.2

Precautions and Disclaimer For laboratory use only. Not for drug, household or other uses.

Preparation Instructions

Suspend 49 grams of Czapek Dox Agar in 1000 mls of distilled water. Boil to dissolve the medium completely. Sterilize by autoclaving at 15 lbs. pressure (121 °C) for 15 minutes.

Storage

Store the dehydrated medium at 24 °C and the prepared medium at 2-8 °C.

Product Profile

Appearance	Creamish white, homogeneous, free flowing powder.
Gelling	Firm.
Color and Clarity	Light yellow colored, clear to slightly opalescent gel with a slight precipitate which forms in tubes or petri plates.
Cultural Response	Cultural characteristics observed after 48-72 hours at 30 °C.

Organisms (ATCC) Growth

Organisms	(ATCC)	Growth
<i>Aspergillus niger</i>	(16404)	Luxuriant
<i>Candida albicans</i>	(10231)	Luxuriant
<i>Saccharomyces cerevisiae</i>	(9763)	Luxuriant

References

1. Thom and Church, 1926, The *Aspergilli*, 39.
2. Thom and Raper, 1945, Manual of *Aspergilli*, 39.
3. American Type Culture Collection, Manassas, Va., U.S.A.

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