

## CZAPEK-DOX AGAR

A selective medium for the cultivation of fungi and soil bacteria.

<b>Dehydrated media</b>	
Code number:	500 g: CZA20500, 5 kg: CZA25000
Colour:	Yellowish
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	7,1 – 7,5

**Direction:** Suspend **48 g** in one litre of distilled water and heat with frequent agitation until the medium boils well. Sterilise by autoclaving at 121 °C for 15 minutes. If adjustment of pH is necessary to pH 3,5 (approx.), cool to 50 °C and add aseptically **Lactic Acid Solution (LAS80100)** to the medium in the necessary quantity (approx. 10 ml). Mix well before pouring.

**Warning!**

Once acidified with lactic acid, the medium should not be re-heated.

<b>Prepared media</b>	
Bottled media:	100 ml: CZA30100, 500 ml: CZA30500
Plated media:	55 mm: CZA50055, 90 mm: CZA50090
Colour:	Yellowish
pH (25 °C):	7,2 – 7,4

**Direction:** If adjustment of pH is necessary, complete according to the direction of the dehydrated media and dispense aseptically into sterile Petri-dishes. Media in Petri-dishes are ready to use.

### FORMULA in g/l

Sucrose	30,00
Sodium nitrate	3,00
Magnesium sulphate	0,50
Potassium chloride	0,50
Ferrous sulphate	0,01
Buffers	1,00
Agar	13,00

**Note:** The typical formula can be adjusted to obtain optimal performance.

**Storage conditions:** Store the dehydrated media tightly closed in a dry place at room temperature. Store the bottled media protected from light at room temperature. Store the plated media protected from light at 2-8 °C. Use before the expiry date on the label.

**Quality control:**

Test strains	Incubation temp: 25 °C	Growth	Incubation time: 48 h
<i>Aspergillus brasiliensis</i>	ATCC 16404	Good	
<i>Candida albicans</i>	ATCC 10231	Good	
<i>Saccharomyces cerevisiae</i>	ATCC 9763	Good	
<i>Bacillus subtilis</i>	ATCC 6633	Good	

**References:** APHA (1992) Standard Methods for the Examination of Water and Wastewater, 18<sup>th</sup> ed.

**In vitro diagnostic – for professional use only!**