



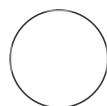
VERSION 1

MAY 16, 2023

# Complete Medium or Complete Medium Xylose (from Leach, Lang and Yoder 1982) V.1

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## ABSTRACT

For the growth and maintenance of *Cochliobolus carbonum* and *Cochliobolus victoriae*

OPEN ACCESS

**Protocol Citation:** Megan McDonald 2023. Complete Medium or Complete Medium Xylose (from Leach, Lang and Yoder 1982).

protocols.io

<https://protocols.io/view/complete-medium-or-complete-medium-xylose-from-leach9ywr7w>

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**Protocol status:** In development  
We are still developing and optimizing this protocol

**Created:** May 16, 2023

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**PROTOCOL integer ID:**  
81944

## Make Micronutrients Solution

1 9 mg H<sub>3</sub>BO<sub>3</sub>

58.5 mg  $\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$   
1.95 mg KI (Potassium Iodine)  
9 mg  $\text{MnSO}_4$   
7.6 mg  $\text{NaMoO}_4$   
822 mg  $\text{ZnSO}_4 \cdot 6\text{H}_2\text{O}$   
139.8 mg  $\text{FeCl}_3 \cdot 6\text{H}_2\text{O}$

in 300 mL ddH<sub>2</sub>O and filter sterilise

**Citation:**

Heterokaryosis and Parasexuality in the Fungus Ascochyta Imperfecta Author(s): K. E. Sanderson and A. M. Srb Source: American Journal of Botany , Jan., 1965, Vol. 52, No. 1 (Jan., 1965), pp. 72-81 Published by: Wiley Stable URL: <https://www.jstor.org/stable/2439977>

## Make 100x Salt Solutions A and B

### 2 100X Salt Solution A

10g  $\text{Ca}(\text{NaO}_3)_2 \cdot 4\text{H}_2\text{O}$   
100 mL ddH<sub>2</sub>O

Autoclave

**Citation:**

Leach, J., Lang, B. R. & Yoder, O. C. *Microbiology* **128**, 1719-1729,  
[doi:https://doi.org/10.1099/00221287-128-8-1719](https://doi.org/10.1099/00221287-128-8-1719) (1982).

### 3 100X Salt Solution B

2 g  $\text{KH}_2\text{PO}_4 \cdot 7\text{H}_2\text{O}$   
1.5g NaCl

100 mL H<sub>2</sub>O  
pH 5.3

Autoclave

**Citation:**

Leach, J., Lang, B. R. & Yoder, O. C. *Microbiology* **128**, 1719-1729,  
[doi:https://doi.org/10.1099/00221287-128-8-1719](https://doi.org/10.1099/00221287-128-8-1719) (1982).

## Make Complete Medium (CM) or Complete Medium Xylose (...)

### 4 Complete Medium Base

10 g glucose OR xylose (substitute glucose for xylose for CMX medium)  
1 g Yeast Extract  
1 g Casein  
20g Agar  
10 mL Salt A  
10 mL Salt B

Make up to 1000 mL with ddH<sub>2</sub>O and Autoclave

After autoclaving add:

1 mL sterilised micronutrient solution

**Citation:**

Leach, J., Lang, B. R. & Yoder, O. C. *Microbiology* **128**, 1719-1729,  
[doi:https://doi.org/10.1099/00221287-128-8-1719](https://doi.org/10.1099/00221287-128-8-1719) (1982).

## Complete Medium for Sporulation

### 5 Complete Medium Base

0.5 g glucose OR xylose (substitute glucose for xylose for CMX medium)  
20 g Sorbose  
1 g Yeast Extract  
1 g Casein  
20g Agar

10 mL Salt A  
10 mL Salt B

Make up to 1000 mL with ddH<sub>2</sub>O and Autoclave

After autoclaving add:

1 mL sterilised micronutrient solution