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

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VERSION 1

MAY 16, 2023

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-lea-ct9ywr7w

Protocol status: In development

We are still developing and optimizing this protocol

Created: May 16, 2023

Last Modified: May 16, 2023

PROTOCOL integer ID: 81944

ABSTRACT

For the growth and maintenance of Cochliobolus carbonum and Cochliobolus victoriae

Make Micronutrients Solution

1 9 mg H_3BO_3

58.5 mg $CuSO_4$ *$5H_2O$

1.95 mg KI (Potassium Iodine)

9 mg $MnSO_4$

7.6 mg $NaMoO_4$

822 mg $ZnSO_4$ * 6 H_2O

139.8 mg $FeCl_3$ * $6H_2O$

in 300 mL ddH2O 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 $Ca(NaO_3)_2$ * 4 H_2O

100 mL ddH_2O

Autoclave

Citation:

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

3 **100X Salt Solution B**

2 g KH_2PO_4 * 7 H_2O

1.5g NaCl

100 mL H2O

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 (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 ddH2O 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 (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 ddH2O and Autoclave

After autoclaving add:
1 mL sterilised micronutrient solution