

HER number

154

Identification

Name

XP12

Morphotype

B2 (Siphophage)

Other designations

Xp12, XP-12

Taxonomy

Realm

Duplodnaviria

Kingdom

Heunggongvirae

Phylum

[Uroviricota](#)

Class

Caudoviricetes

Order

Family

Genus

Species

Images

Electron Micrograph

Image



Image description

Magnification: 297,000X

Bar: 50 nm

Staining: UAB

Characteristics

Plaques: 2mm, clear.
Smaller plaques when cultivated without thymidine
Read after 24- 48 hrs.
Thymidine (5 mg/ml) needed in medium.
5-methylcytosine completely replaces cytosine.

Genomic sequence

Deactivated

Propagation conditions

Bacterial hosts

1154

Reference

Kuo, T. , T. Huang, and M. Teng. 1968. 5-methylcytosine replacing cytosine in the deoxyribonucleic acid of a bacteriophage for *Xanthomonas oryzae*. J. Mol. Biol. 34:373-375.

Remarks

Instructions for phage propagation and media composition are available upon request.
THIS PHAGE IS NOT AVAILABLE FOR THIS MOMENT

History

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Received from

Dr Mélanie Ehrlich,
Department of Biochemistry,
Tulane University School of Medecine,
1430 Tulane Avenue,
New Orleans, LA, 70112,
USA.

Date

12-16-1982

Received from

Dr T. T. kuo,
Institute of Botany,
Academia Sinica,
Taiwan,
Republica of China.

Date

Isolated by

Kuo, Huang,
Wu and Cheng

Date

1968

Source

Water of a rice field, Taiwan

Updated at

2024-01-16