

HER number

200

Identification

Name
 φPLS27

Morphotype
 C1 (Podophage)

Other designations
 phiPLS27

Taxonomy

Realm
 Duplodnaviria

Kingdom
 Heunggongvirae

Phylum
[Uroviricota](#)

Class
 Caudoviricetes

Order
 Autographivirales

Family
 Autotranscriptaviridae

Genus
 Teseptimavirus

Species

Images

Electron Micrograph

Image
 FHRCEV

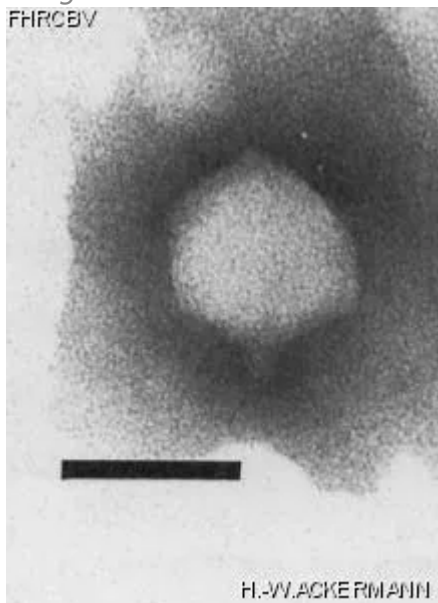


Image description

Magnification: 297,000X

Bar: 50 nm

Staining: PT

Characteristics

Plaques: 2-3 mm, clear.
Morphologically identical with T7.
?LPS27 produces large plaques on AK1012 (HER1200), small plaques on AK44 (HER1199) and does not plaque on PAO1.
In AK1012: latent period is 32 minutes, rise 22 minutes, and burst size is 10.
The phage adsorbs poorly to AK1012, better to AK44.

Genomic sequence

Deactivated

Propagation conditions

Bacterial hosts

1199

Reference

Jarrell, K., and A.M.B. Kropinski. 1981. Isolation and characterization of a bacteriophage specific for the lipopolysaccharide of rough derivatives of *Pseudomonas aeruginosa* strain PAO. J. Virol. 38:529-538.

Remarks

History

History

Received from

John Kuzio
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Queen's University,
Kingston, Ontario,
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Date

08-31-1983

Received from

Ken Jarrell
Department of Microbiology
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Date

Isolated by

Ken Jarrell
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Date

summer 1978

Source

Sewage from Kingston sewage treatment plant

Updated at

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