

*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

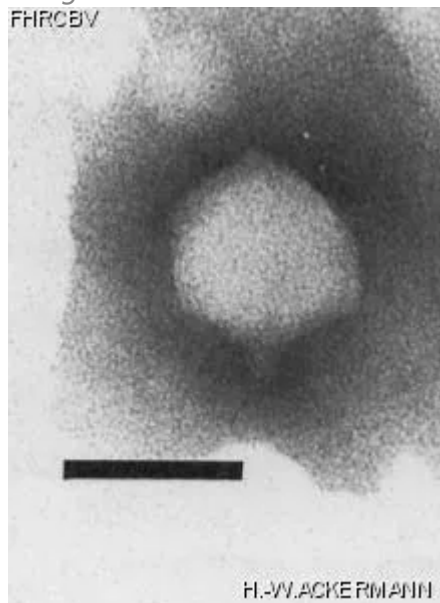
*Genus*  
 Teseptimavirus

*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  
Department of Microbiology  
Queen's University,  
Kingston, Ontario,  
Canada

**Date**

08-31-1983

**Received from**

Ken Jarrell  
Department of Microbiology  
Queen's University,  
Kingston, Ontario,  
Canada

**Date**

**Isolated by**

Ken Jarrell  
Department of Microbiology  
Queen's University,  
Kingston, Ontario,  
Canada

**Date**

summer 1978

*Source*

Sewage from Kingston sewage treatment plant

*Updated at*

2024-01-16