

HER number

275

Identification

Name

H-19J

Morphotype

B3 (Siphophage)

Other designations

Taxonomy

Realm

Duplodnaviria

Kingdom

Heunggongvirae

Phylum

[Uroviricota](#)

Class

Caudoviricetes

Order

Family

Genus

Species

Images

Electron Micrograph

Image

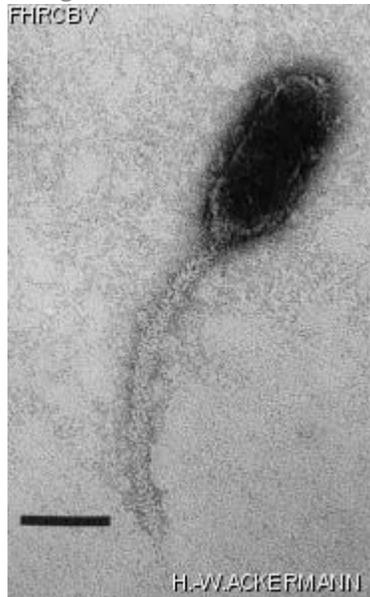


Image description

Magnification: 297,000X

Bar: 50 nm

Staining: UA

Characteristics

Veiled plaques of 0.5 mm.
Long narrow head.
Shiga-like toxin converting.
UV inducible.
Plaques on *E. coli* K12 395-1 and *E. coli*
HB101.
Genome contains lambda genes.

Genomic sequence

Deactivated

Propagation conditions

Bacterial hosts

1275

Reference

O'Brien, A., J.W. Newland, S.F. Miller, R.K. Holmes, H.W. Smith, and S.B. Formal. 1984. Shiga-like toxin-converting phages from *Escherichia coli* that cause hemorrhagic colitis or infantile diarrhea. Science 226: 694-696.

Newland, J.W., N.A. Strockbine, S.F. Miller, A. O'Brien, and R.K. Holmes. 1985. Cloning of Shiga-like toxin structural genes from a toxin-converting phage of *Escherichia coli*. Science 230: 179-181.

Remarks

History

History

Received from

Lysogenic strain (HER 1271) from
Dr Alison D. O'Brien
Uniformed Services University of the Health Sciences
Department of Defense
4301 Jones Bridge Road, Bethesda, MD 20814
USA

Date

02-02-1986

Isolated by

R. Janvier and H.-W. Ackermann
Université Laval
(First isolation by J.W. Newland, laboratory of O'Brien)

Date

12-1986

Source

Lysogenic bacterium HER 1271 after UV induction

Updated at

2024-01-19