

HER number
275

Identification

<i>Name</i> 275	<i>Morphotype</i> B3 (Siphophage)	<i>Other designations</i>	
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Taxonomy

<i>Realm</i> <i>Duplodnaviria</i>	<i>Kingdom</i> <i>Heunggongvirae</i>	<i>Phylum</i> <i>Uroviricota</i>	<i>Class</i> <i>Caudoviricetes</i>
<i>Order</i>	<i>Family</i>	<i>Genus</i>	<i>Species</i>

Images

Electron Micrograph

Image

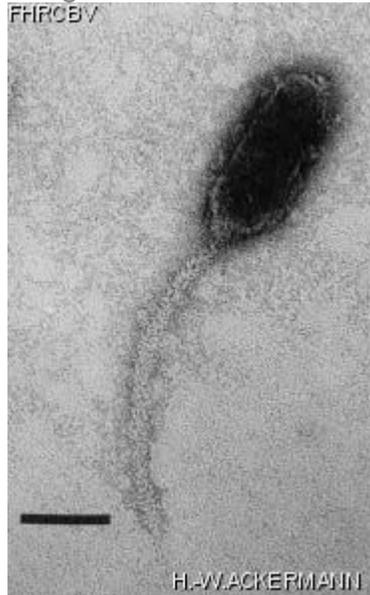


Image description

Magnification: 297,000X

Bar: 50 nm

Staining: UA

<p><i>Characteristics</i></p> <p>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.</p>	<p><i>Genomic sequence</i></p> <p>Deactivated</p>
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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

<p>Received from</p> <p>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</p>	<p>Date</p> <p>02-02-1986</p>
<p>Isolated by</p> <p>R. Janvier and H.-W. Ackermann Université Laval (First isolation by J.W. Newland, laboratory of O'Brien)</p>	<p>Date</p> <p>12-1986</p>

Source

Lysogenic bacterium HER 1271 after UV induction

Updated at

2024-01-19