

*HER number*

326

## Identification

*Name*

φCjT23

*Morphotype*

*Other designations*

## Taxonomy

*Realm*

*Kingdom*

*Phylum*

*Class*

*Order*

*Family*  
?1

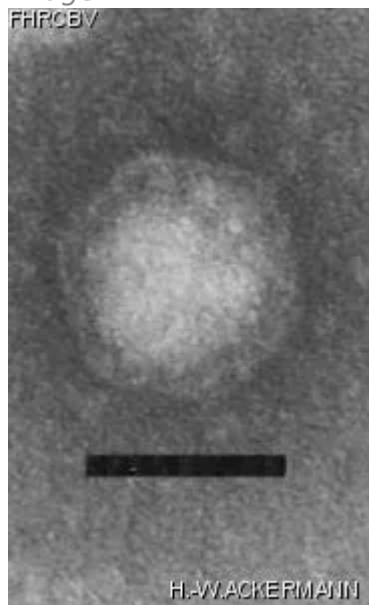
*Genus*

*Species*

## Images

*Electron Micrograph*

*Image*



*Image description*

Magnification: 297,000X

Bar: 50 nm

Staining: PT

<p><i>Characteristics</i></p> <p>Apparently isometric and easily deformed. Temperate; produced by HER 1317. Lipid-containing ssDNA.</p>	<p><i>Genomic sequence</i></p> <p>Activated</p>
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## Propagation conditions

<p><i>Bacterial hosts</i></p> <p>1326</p>
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<p><i>Reference</i></p> <p>Richter, C.A., J.L. Pate. 1988. Temperate phages and bacteriocins of the gliding bacterium *Cytophaga johnsonae*. J. Gen. Microbiol. 134: 253-262</p>
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<p><i>Remarks</i></p> <p>Virion structure shows similarities to members of the viral kingdom Bamfordvirae. (Kejzar, N., Laanto, E., Rissanen, I. et al. 2022. Cryo-EM structure of ssDNA bacteriophage ?CjT23 provides insight into early virus evolution. Nat Commun 13, 7478.)</p>
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## History

<p><i>History</i></p>	
<p><b>Isolated by</b></p> <p>Catherine A. Richter Dept. of Bacteriology University of Wisconsin Madison, WI 53706, USA</p>	<p><b>Date</b></p> <p>07-1983</p>
<p><b>Received from</b></p> <p>Dr Jack Pate Dept. of Bacteriology University of Wisconsin-Madison 1550 Linden Drive Madison, WI 53706, USA</p>	<p><b>Date</b></p> <p>29-04-1988</p>

<p><i>Source</i></p> <p>*C. johnsonae* UW10123</p>
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<p><i>Updated at</i></p> <p>2024-01-19</p>
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