

HER number
419

Identification

<i>Name</i> 419	<i>Morphotype</i> E2	<i>Other designations</i> phi8, phi-8
--------------------	-------------------------	--

Taxonomy

<i>Realm</i>	<i>Kingdom</i>	<i>Phylum</i>	<i>Class</i>
<i>Order</i>	<i>Family</i> Cystoviridae	<i>Genus</i> Cystovirus	<i>Species</i> Cystovirus phi8

Images

Electron Micrograph

Image

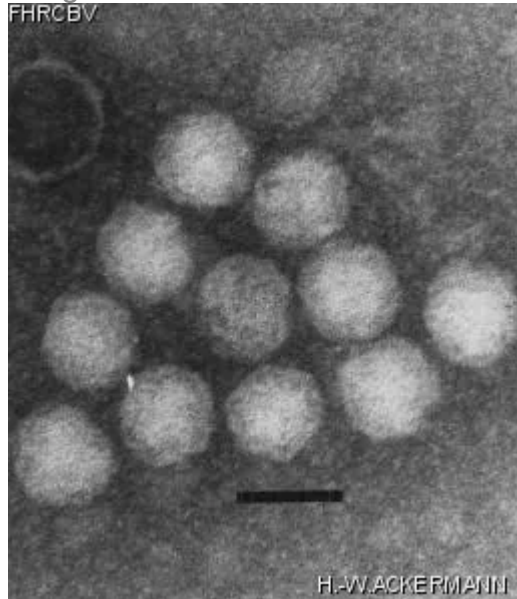


Image description

Magnification: 297,000X

Bar: 50 nm

Staining: PT

Characteristics

Plaques: 1 mm, clear.

Genomic sequence

Activated

Propagation conditions

Bacterial hosts

1419

Reference

Mindich, L. and coll. 1999. Isolation of additional bacteriophages with genomes of segmented double-stranded RNA. J. Bacteriol. 181: 4505-4508.

Remarks

Lipid envelope, double-stranded DNA.
Inactivated by chloroform or detergents.
Grows poorly.
Loss of 2 log in 1 month at 4°C.
Kills host without propagation at high M.O.I.
Forms plaques on heptose-less strains of *S. typhimurium*.*

History

History

Isolated by

Xueying Quiao
Mindich's Laboratory
New York

Date

1998

Received from

Dr L. Mindich
Dept. of Microbiology
Public Health Research Institute
455 First Avenue, New York, NY 10016

Date

26-08-2000

Source

Pisum sativum (snow pea) leaves.

Updated at

2024-01-22