

HER number

312

Identification

Name

Σ (sigma)

Morphotype

B1 (Siphophage)

Other designations

Taxonomy

Realm

Kingdom

Phylum

Class

Order

Family

?1

Genus

Species

Images

Electron Micrograph

Image

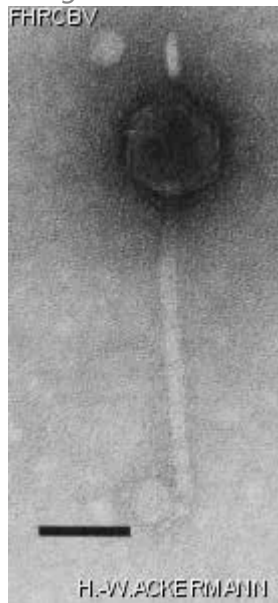


Image description

Magnification: 297,000X

Bar: 50 nm

Staining: UA

Characteristics

Clear plaques of 0.5mm
Buoyant density in CsCl = 1.515g/mL

Genomic sequence

Deactivated

Propagation conditions

Bacterial hosts

1311

Reference

Von Lohr, R. 1970. Z. Allg. Mikrobiol. 10:269-274. (En allemand/In deutsch)

Remarks

Adsorbs poorly, forms small, irregular, turbid plaques from which lysogens can be isolated.
Prophage is not UV-inducible.

Pre-adsorption to the indicator bacterium is recommended for plating.

Spontaneous clear-plaque mutants are very frequent (10^{-4}) and should be used for preparing high titer lysates.

The phage is able to multiply on *S. marcescens* CV(?).

History

*History***Received from**

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Date

03-03-1988

Isolated by

Dr R.W. Kaplan

Date

1960

Source

Supernatant of an overnight culture of a lost strain : *S. marcescens* ES

Updated at

2024-01-19