

HER number
313

Identification

<i>Name</i> 313	<i>Morphotype</i> B1 (Siphophage)	<i>Other designations</i>
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Taxonomy

<i>Realm</i>	<i>Kingdom</i>	<i>Phylum</i>	<i>Class</i>
<i>Order</i>	<i>Family</i> ?1	<i>Genus</i>	<i>Species</i>

Images

Electron Micrograph

Image



Image description

Magnification: 297,000X

Bar: 50 nm

Staining: UA

Characteristics

Clear plaques of 0.5mm
Buoyant density in CsCl = 1.495g/mL

Genomic sequence

Activated

Propagation conditions

Bacterial hosts

1311

Reference

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

Pons, F.W. 1966. Biochem. Z. 346:26-40. (En allemand/ In deutsch)

Remarks

Originally described as short tailed.

Guanine partially replaced by unknown base; DNA contains nonidentified sugar.

Infects log-phase cells only.

Adsorbs well, forms large, moderately turbid plaques from which lysogens can be isolated. Pre-adsorption is not required for plating.

Phage inoculum for double-layer agar 15 000 PFU, yield 10^{11} PFU.

Multiplies on *S. marcescens* CV (If)

History

History

Received from

R.W. Kaplan

Date

Received from

Dr F.W. Pons

Institut für Mikrobiologie

Johann Wolfgang Goethe-Universität

Theodor-Stern-Kai 7, Haus 75A

D-6000 Frankfurt am Main, Germany

Date

03-03-1988

Isolated by

R.W. Kaplan

Institut für Mikrobiologie

Frankfurt, Germany

Date

1960

Source

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

Updated at

2024-01-19