

HER number

52

Identification

Name

II

Morphotype

A1 (Myophage)

Other designations

Group II, II,
ATCC14100-B1

Taxonomy

Realm

Duplodnaviria

Kingdom

Heunggongvirae

Phylum

[Uroviricota](#)

Class

Caudoviricetes

Order

Family

Genus

Species

Images

Electron Micrograph

Image

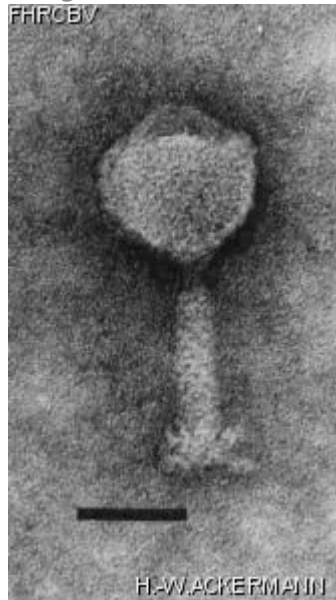


Image description

Magnification: 297,000X

Bar: 50 nm

Staining: UA

Characteristics

Plaques: 0.5- 1mm, clear.
Typing phage No. 2 of set of Mukerjee *et al*.
Typing phage No. 2 of set of Lee and Furniss.

Genomic sequence

Deactivated

Propagation conditions*Bacterial hosts*

1051

Reference

- Mukerjee, D., D. K. Guha, and U. K. Guha Roy. 1957. Studies on typing of cholera by bacteriophage. Part I. Phage typing of *Vibrio cholerae** from Calcutta epidemics. *Annals of Biochemistry and Experimental Medicine* 17:161-176.
- Chanda PK, Ghosh NC. 1978. Characteristics of a cholera phage. *Arch Microbiol* 119:303-304.
- Balganesh M, Das J. 1979. Transfection of *Vibrio cholerae** by bacteriophage ϕ 149 DNA. *Biochem Biophys Res Commun* 90:726-733.
- Ackermann H-W, Furniss AL, Kasatiya SS, Lee JV, Mbiguino A, Newman FS, Takeya K, Vieu J-F. 1983. Morphology of *Vibrio cholerae** typing phages. *Ann Virol (Inst. Pasteur)* 134E:387-404.
- Ackermann H-W, Kasatiya SS, Kawata T, Koga T, Lee JV, Mbiguino A, Newman FS, Vieu J-F, Zachary A. 1984. Classification of *Vibrio** bacteriophages. *Intervirology* 22:61-71.
- Chatterjee SN, Maiti M. 1984. Vibriophages and vibriocins: physical, chemical and biological properties. *Adv Virus Res* 29:263-312.
- Das J, Chatterjee SN. 1966. Electron microscopy of cholera bacteriophages. *Proc 6th Internat Electron Microsc (Kyoto 1966)*, Vol 2, 139-140, ed Uyeda R. Maruzen Co., Tokyo.
- Degtyarev BM, Milyutin VN, Arutyunov Yul, Mikhailov AM, Tokarev SA. 1977. Electron microscopic examination of the structure of cholera bacteriophage of serotype II (Russian). *Vop Virusol* 22:237-241.
- Chanda PK, Ghosh NC. 1978. Characteristics of a cholera phage. *Arch Microbiol* 119:303-304.
- Bystryi NF, Drozhevskina MS. 1979. Basic criteria and classification scheme for bacteriophages acting against cholera vibrios of the classical and El Tor biotypes (Russian). *Zh Hyg Epidemiol Mikrobiol Immunobiol* 23(1):85-94.
- Chatterjee SN, Das J, Barua D. 1985. Electron microscopy of cholera phages. *Indian J Med Res* 53:934-937.

Remarks

Not available from the Félix d'Hérelle reference center for bacterial viruses, please contact ATCC for the distribution of this phage.

History

History

Received from

ATCC

Date

11-1979

Received from

S. Mukerjee,
Indian Institute for biochemistry and experimental
medecine,
Calcutta;
WHO, International Reference Center for *Vibrio* Phage
Typing, Calcutta, India.

Date

Source

Stool of cholera patient. Calcutta, India

Updated at

2024-01-15