

*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*

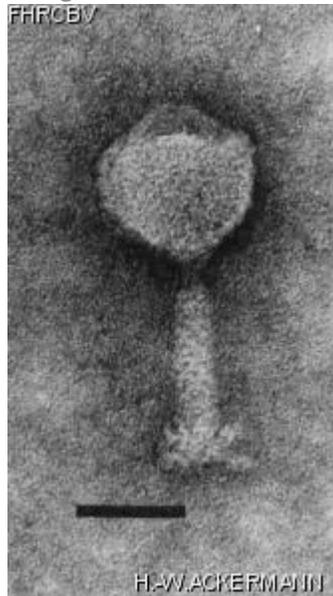
*Genus*

*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  $\phi$ 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