Phage HER 52

HER number
52

Identification

Name	*Morphotype*	*Other designations*	
II	A1 (Myophage)	Group II, II, ATCC14100-B1	

Taxonomy

Realm	*Kingdom*	*Phylum*	*Class*
Duplodnaviria	*Heunggongvirae*	*Uroviricota*	*Caudoviricetes*
Order	*Family*	*Genus*	*Species*

Images

Electron Micrograph Image

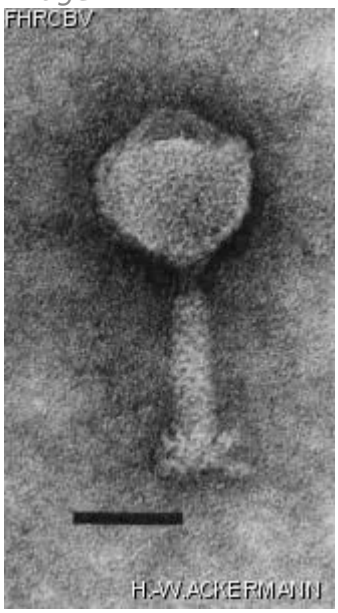


Image description
Magnification: 297,000X
Bar: 50 nm
Staining: UA

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 Calcultta 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 Ï†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 YuI, 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, Drozhevkina 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	Date
ATCC	11-1979
S. Mukerjee, Indian Institute for biochemistry and experimental medecine, Calcutta; WHO, International Reference Center for *Vibrio* Phage Typing, Calcutta, India.	

Source

Stool of cholera patient. Calcutta, India

Updated at

2024-01-15