

# φX174 Virion DNA



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N3023S 123140116011

## N3023S

**50 µg**      **Lot: 1231401**      **Exp: 1/16**  
**1,000 µg/ml**      **Store at -20°C**

**Description:** φX174 Virion DNA is the single-stranded viral DNA isolated from bacteriophage φX174 *am3 cs70*. It has a molecular weight of  $1.70 \times 10^6$  daltons and is 5386 bases in length. Greater than 85% of the molecules are circular.

Supplied in: 10 mM Tris-HCl (pH 8.0), 1 mM EDTA.

**Preparation:** The phage is grown in *E. coli* HF4704 and purified by cesium chloride density gradient centrifugation. The DNA is isolated from the purified phage by phenol extraction according to the procedure of Sinsheimer.

### References:

1. Sanger, F., Coulson, A. R., Friedmann, T., Air, G. M., Barrell, B. G., Brown, N. L., Fiddes, J. C., Hutchison III, C. A., Slocombe, P. M. and Smith, M. (1978) *J. Mol. Biol.* 125, 225. The nucleotide sequenced strain of φX174 was kindly supplied by F. Sanger.
2. Sinsheimer, R. L. (1966). *Procedures in Nucleic Acid Research*. In Cantoni and Davies (Eds.), (p.569). Harper and Row.

CERTIFICATE OF ANALYSIS

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