**Preparation:** The ϕX174 RF I DNA is isolated from *E. coli* HF 4704 infected with ϕX174 am3 cs70 by a modification of the method of Godson and Vapnek (nucleotide sequenced by F. Sanger).

**References:**

**Description:** This is the double-stranded, covalently closed, circular form of ϕX174 RF I DNA (super-coiled). The molecular weight of ϕX174 RF I is 3.50 x 10^6 daltons and it is 5,386 base pairs in length. The vast majority of the molecules are RF I, and the remainder are RF II, as determined by agarose gel electrophoresis.

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