**Preparation:** The \( \phi X174 \) RF I DNA is isolated from *E. coli* HF 4704 infected with \( \phi X174 \) am3 cs70 by a modification of the method of Godson and Vapnek (nucleotide sequenced by F. Sanger).

**References:**

**N3021S**

30 µg Lot: 1761209 Exp: 9/14
1,000 µg/ml Store at –20°C

**Description:** This is the double-stranded, covalently closed, circular form of \( \phi X174 \) RF I DNA (supercoiled). The molecular weight of \( \phi X174 \) RF I is 3.50 x 10^6 daltons and it is 5,386 base pairs in length. Greater than 90% 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.

**Preparation:** The \( \phi X174 \) RF I DNA is isolated from *E. coli* HF 4704 infected with \( \phi X174 \) am3 cs70 by a modification of the method of Godson and Vapnek (nucleotide sequenced by F. Sanger).

**References:**