



fX174 DNA - *Hae* III Digest Ready to Use Marker

F-302
50 mg/ml

Store at -20 °C

Description: The bacteriophage ϕ X174 is produced in *E. coli*. After purification the double-stranded DNA is digested with restriction endonuclease *Hae* III. The solution contains glycerol and bromophenol blue dye and is ready to pipette into the gel and used as a DNA size standard. The *Hae* III digest of ϕ X174 DNA (5 386 bp) yields 11 fragments of the following sizes:

Fragment	Base pairs
1	1 353
2	1 078
3	872
4	603
5	310
6a	281
6b	271
7	234
8	194
9	118
10	72

Note: For daily use the marker can be stored at +4°C (at least 1 month). The marker is stable at -20°C (at least 1 year).

Unit definition: 1.0 A_{260} unit ds DNA = 50 μ g/ml

Concentration and Shipping: 50 μ g/ml DNA supplied in 8 mM Tris-HCl (pH 8.0), 12 mM EDTA, 12 % glycerol, 0.012 % (v/v) bromophenol blue dye.

Warranty See instructions on the other side of this data sheet.



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