

Product Contents

ϕX174 DNA/*Hae* III Markers:

Part No.	Size
G176A	50µg

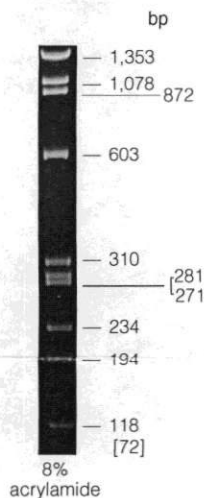
Source: ϕX174 DNA/*Hae* III Markers are prepared by digesting ϕX174 DNA to completion with *Hae* III, extracting with phenol and precipitating with ethanol. The DNA fragments are resuspended in storage buffer at a final concentration of 1.0mg/ml.

Storage Buffer: ϕX174 DNA/*Hae* III Markers are supplied in 10mM Tris-HCl (pH 7.5), 1mM EDTA.

Storage Conditions: Store at -20°C. Avoid exposure to frequent temperature changes. See the expiration date on the product label.

Usage Note: Concentration gradients may form in frozen products and should be dispersed upon thawing. Mix well prior to use.

Blue/Orange 6X Loading Dye (G190A): The Blue/Orange 6X Loading Dye supplied with these markers has a composition of 15% Ficoll® 400, 0.03% Bromophenol Blue, 0.03% Xylene Cyanol FF, 0.4% Orange G, 10mM Tris-HCl (pH 7.5) and 50mM EDTA. This dye is used for loading DNA samples into gel electrophoresis wells and tracking migration during electrophoresis. Recommended usage is one part loading dye for every five parts DNA solution. The Xylene Cyanol FF migrates at approximately 4kb, Bromophenol Blue at approximately 300bp and Orange G at approximately 50bp in 0.5% to 1.4% agarose gels in 0.5X TBE (1).



Reference

1. Sambrook, J., Fritsch, E.F. and Maniatis, T. (1989) *Molecular Cloning: A Laboratory Manual*, Cold Spring Harbor Laboratory, Cold Spring Harbor, NY.

phiX174 DNA/*Hae*III Markers

REF G1761

LOT 0000198222

-30°C to -10°C

2018-11-11

Conc: 1µg/µl
50µg

Dispensed Lot#: 0000185316

For Laboratory Use

Country of Origin: USA

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ADG1761 00001982229



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