



ZYMO RESEARCH

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INSTRUCTION MANUAL

ZR 1 kb DNA Marker™

Catalog Nos. M5003 & M5006

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For Research Use Only

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I. General Information

Description

Zymo Research's **DNA Molecular Weight Markers™** are suitable for use as molecular weight standards for agarose and polyacrylamide gel electrophoresis. The 1 kb DNA marker consists of plasmid DNA that has been digested with endonucleases to yield 10 defined fragments that range in size from 0.5 - 10 kb. The intensity of the 3 kb band is increased as an identifier. All fragments have 4-base, 5' overhangs.

Effective Size Range: 500 bp to 10 kb

Source:

The double-stranded DNA is digested to completion with appropriate restriction enzymes, phenol extracted and equilibrated to 10 mM Tris-HCl (pH 8.0) and 1 mM EDTA.

Concentration:

500 µg/ml

Recommended Load: 0.5 µg

Storage Conditions

Storage Conditions:

10 mM Tris-HCl

1 mM EDTA

Storage Temperature:

4°C

For long term storage (>30 days), store at -20°C.