



ZYMO RESEARCH

The Beauty of Science is to Make Things Simple

INSTRUCTION MANUAL

ZR 100 bp DNA Marker™

Catalog Nos. M5002 & M5005

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For Laboratory Use Only

ZYMO RESEARCH CORP.

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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 100 bp DNA marker consists of plasmid DNA that has been digested with endonucleases to yield 12 defined fragments that range in size from 100 - 1500 bp. The intensity of the 500 and 1000 bp band is increased as an identifier. All fragments have 4-base, 5' overhangs.

Effective Size Range: 100 bp to 1,517 bp

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.