



ZYMO RESEARCH

The Beauty of Science is to Make Things Simple

INSTRUCTION MANUAL

ZR 50 bp DNA Marker™

Catalog Nos. M5001 & M5004

Contents

I. General Information.....	1
Description	
Storage Conditions	

For Laboratory Use Only

ZYMO RESEARCH CORP.

Phone: (949) 679-1190 ▪ Toll Free: (888) 882-9682 ▪ Fax: (949) 266-9452 ▪ info@zymoresearch.com ▪ www.zymoresearch.com

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 50 bp DNA marker consists of plasmid DNA that has been digested with endonucleases to yield 12 defined fragments that range in size from 50 - 200 bp. The intensity of the 300 bp band is increased as an identifier. All fragments have 4-base, 5' overhangs.

Effective Size Range: 50 bp to 1,350 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: 1 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.