Datasheet for ABIN2868514

OneMARK 100 DNA Ladder

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Overview

Quantity:	600 µL
Detection Range:	100-3000 bp
Minimum Detection Limit:	100 bp
Application:	Agarose Gel Electrophoresis (AGE)

Product Details

Purpose:	OneMARK 100 (Ready-to-Use)
Characteristics:	OneMARK 100 with the Novel Green was designed to show virtually uniform spacing over a wide fragment range. The ladder is supplied in a ready-to-use format containing the fluorescent DNA stain and tracking dyes. High quantum yield and excellent stability make the fluorescence dye the ideal fluorophore for DNA staining applications and a superior replacement for the widely used dyes, ethidium bromide or SYBR® Green I.The OneMARK 100 with the fluorescent stain was optimized for direct loading onto unstained agarose gels. The ladders provide highest level of convenience during the routine handling and avoid commonly used gel staining procedures with ethidium bromide or SYBR® Green I.The OneMARK 100 includes fragments ranging from 100-3,000 base pairs. The 500 and 1,500 base pair bands have increased intensity to serve as reference points. The approximate mass of DNA in each band is provided (0.54 µg per loading) for approximating the mass of DNA in comparably intense samples of similar size.

Application Details

Application Notes:	No-post-staining procession, Direct loading onto your agarose gel for analysis
Comment:	Range: 100-3,000 bp Number of bands: 12

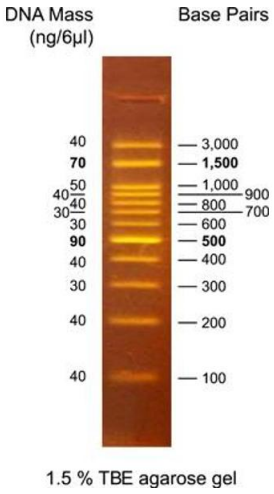
Application Details

	Recommended Load: 6 µl / well,Containing orange G, xylene cyanol FF as the tracking dyes.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PCR products and double-stranded DNA digested with appropriate restriction enzymes are phenol-extracted and equilibrated to 10 mM Tris-HCl (pH 8.0) and 1 mM EDTA.
Handling Advice:	OneMARK 100 is light sensitive and should be stored and protected from light.
Storage:	-20 °C
Storage Comment:	Store at RT and 4°C up to 6 months. Store at -20°C up to 1 year.
Expiry Date:	12 months

Images



Agarose Gel Electrophoresis

Image 1.