



OneMARK 100 RTU

04 JAN 2021

Catalog Number	Size	Concentration
DM101-0100	100 reactions	54 µg / 600 µl

Storage Conditions

Stable for up to 6 months at 25°C.

Stable for up to 12 months at 4°C.

Stable for up to 24 months at -20°C.

Description

OneMARK 100 RTU is a ready-to-use DNA ladder containing the fluorescent Novel Green DNA stain and tracking dyes. The fluorescence dye is the ideal fluorophore for DNA staining applications and a superior replacement for the widely used dyes such as ethidium bromide or SYBR[®] Green I. The OneMARK 100 RTU with Novel Green ensures optimal direct loading onto unstained agarose gels and delivers the highest level of convenience during the handling procedures. The OneMARK 100 RTU 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 supplied as (0.54 µg per loading) for estimating the mass of DNA in comparably intense samples of similar size.

Direct loading of 6 µl / well onto agarose gel. It contains orange G & xylene cyanol FF as tracking dyes, and Novel Green fluorescence dye for producing an instant visualization of DNA bands upon illuminating agarose gels on the Blue Light or UV Transilluminator. Please note, the ladder is light sensitive and should be stored and protected from light.

Kit Content(s)

OneMARK 100 RTU	600µl x 1 vial
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Source

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 10 mM EDTA.

Required materials but not provided

- Horizontal Electrophoresis system
- Power supplies
- Vortex or equivalent
- Microcentrifuge



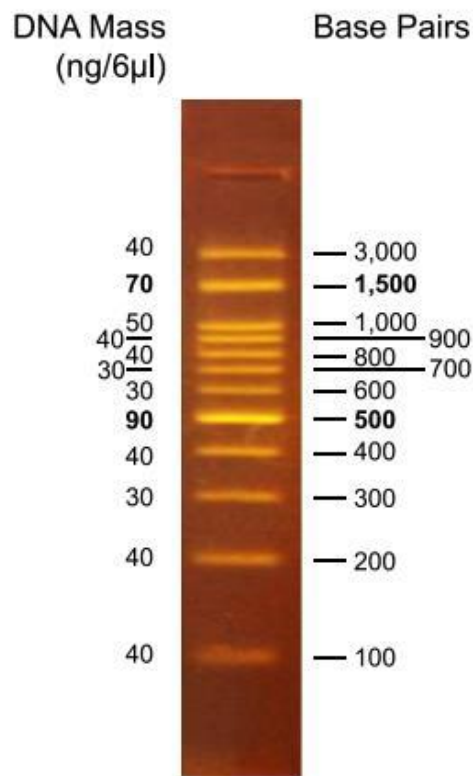


Reaction Setup

Direct loading 6 μ l / well onto agarose gel, it contains orange G & xylene cyanol FF as tracking dyes, and Novel Green fluorescence dye for producing an instant visualization of DNA bands upon illuminating agarose gels on the Blue Light or UV Transilluminator. Please note, the ladder is light sensitive and should be stored and protected from light.

Range : 100 - 3,000 bp

Number of bands : 12



1.5 % TBE agarose gel

The gel was observed with the blue-light transilluminator.