



OmnimARK 1K RTU

08 FEB 2022

Catalog Number	Size	Concentration
DMF13-0100	100 reactions	50 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

OmnimARK 1K RTU is a DNA ladder, prestained with one of the most sensitive fluorescent dyes. The ladder is supplied in a ready-to-use format containing the fluorescent DNA stain and tracking dyes, and optimized for direct loading onto unstained agarose gels. Furthermore, it provides the highest level of convenience during the routine handling and avoids commonly used gel staining procedures with the ethidium bromide or SYBR® Green I. Please note, users need to use a DNA stain of preference when conducting PCR but not to be added to the ladder.

The OmnimARK 1K RTU includes fragments ranging from 100-10,000 base pairs. The 1K and 3K bands have increased intensity to serve as reference points. The approximate mass of DNA in each band is provided (0.5 µg per loading) for approximating the mass of DNA in comparably intense samples of similar size.

Kit Content(s)

OmnimARK 1K RTU	600 µl 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



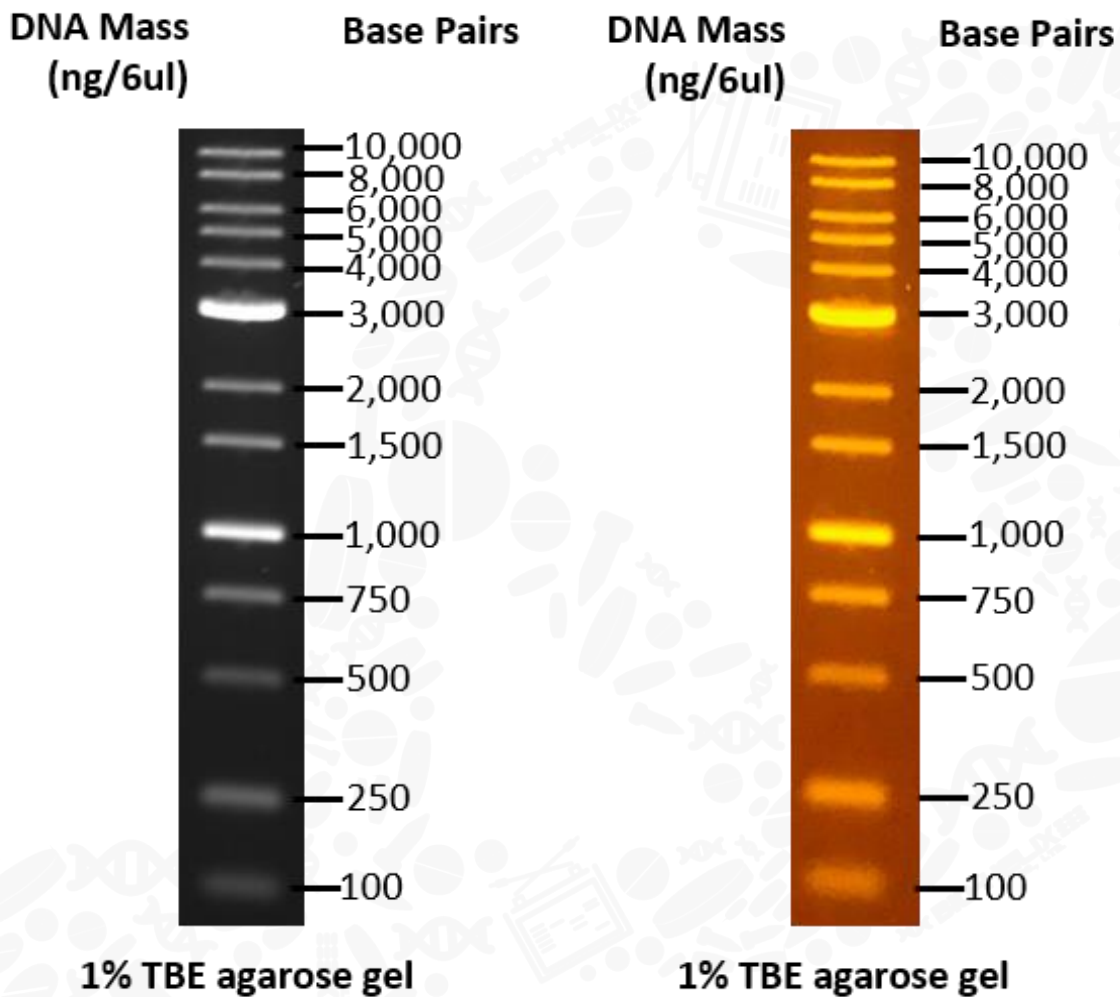


Reaction Setup

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 - 10,000 bp

Number of bands : 13



Important notes

OmniMARK 1K RTU is light sensitive and should be stored and protected from light.