OneMARK 100

Cat. No.: SD101-0100 Size: 600 µl
Cat. No.: SD101-0010 Size: 60 µl

Description

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 Novel Green 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

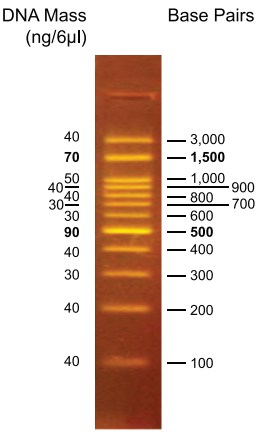
- No-post-staining procession
- Direct loading onto your agarose gel for analysis

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 1 mM EDTA.
Note: OneMARK 100 is light sensitive and should be stored and protected from light.

Storage

Store at RT and 4°C up to 6 months.
Store at -20°C up to 1 year.



1.5 % TBE agarose gel

The gel was observed with the blue-light transilluminator.

Range: 100-3,000 base pairs **Concentration:** 90 µg / ml

Number of Bands: 12

Recommended Load: 6 µl / well
Containing orange G, xylene cyanol FF as the tracking dyes.

All products are for research use only.
Caution: Not intended for human or animal diagnostic or therapeutic uses.