

— PROTOCOL —

## OneMARK B RTU

Catalog Number	Unit Size
DM110-0100	600 µl

**Storage** : 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 B 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 B with the Novel Green was optimized for direct loading onto unstained agarose gels. The ladders provide the highest level of convenience during the routine handling and avoid commonly used gel staining procedures with the ethidium bromide or SYBR® Green I.

The OneMARK B includes fragments ranging from 250-10,000 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.

### 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 B is light sensitive and should be stored and protected from light.

**Range** : 250-10,000 bp

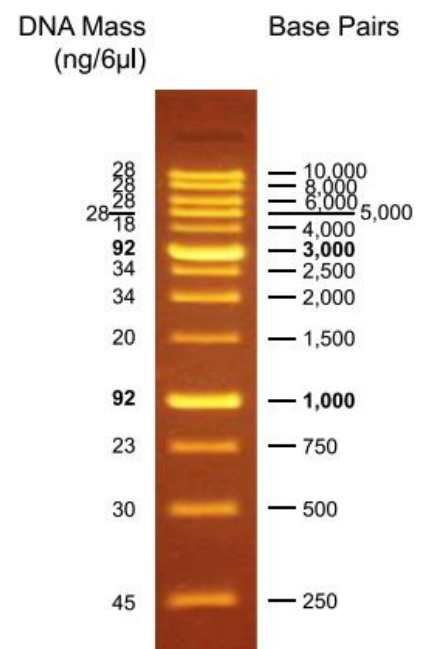
**Number of bands** : 13

**Concentration** : 83.3 µg/ml

**Package** : 50 µg /600 µl

**Recommended Load** : 6 µl / well

Containing bromophenol blue and xylene cyanol FF as the tracking dyes.



1 % TBE agarose gel

The gel was observed with the blue-light transilluminator.