



## E-Gel<sup>®</sup> 96 High Range DNA Marker

Cat. No. 12352-019  
Conc.: 100 ng/10  $\mu$ l

Size: 100 applications  
Store at room temperature or 4°C.

### Description:

E-Gel<sup>®</sup> 96 High Range DNA Marker is intended for use as a molecular weight standard in agarose electrophoresis. This marker was optimized for E-Gel<sup>®</sup> 96 gels, as well as single- and double-comb E-Gel<sup>®</sup> gels. The marker is supplied in gel loading buffer and can be applied directly to an agarose gel. These fragments can be visualized by ethidium bromide staining.

E-Gel<sup>®</sup> 96 High Range DNA Marker consists of 5 linear double-stranded DNA fragments between 400 bp and 10,000 bp. This ladder is not designed for quantitation.

### Storage Buffer:

10 mM Tris-HCl (pH 7.5)  
1 mM EDTA  
0.0025% bromophenol blue  
5% glycerol

### Recommended Procedure:

Product stored at room temperature, should be centrifuged briefly prior to use. Use the following table to dilute marker before loading. Follow the loading directions appropriate for the type of gel being run. **Do not heat** before loading.

<u>Gel Type</u>	<u>Marker Volume</u>	<u>Water Volume</u>	<u>Total Volume</u>
Standard agarose	10 $\mu$ l	---	10 $\mu$ l
E-Gel <sup>®</sup> 96	10 $\mu$ l	10 $\mu$ l	20 $\mu$ l
E-Gel <sup>®</sup> double comb			
Marker lane	5 $\mu$ l	5 $\mu$ l	10 $\mu$ l
Sample lane	10 $\mu$ l	10 $\mu$ l	20 $\mu$ l
E-Gel <sup>®</sup> single comb	10 $\mu$ l	10 $\mu$ l	20 $\mu$ l

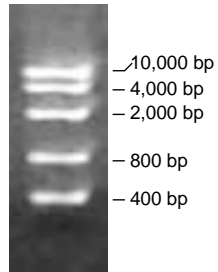
Doc. Rev.: 012302

This product is distributed for laboratory research only. CAUTION: Not for diagnostic use. The safety and efficacy of this product in diagnostic or other clinical uses has not been established.

For technical questions about this product, call the Invitrogen Tech-LineSM U.S.A. 800 955 6288

Quality Control:

Agarose gel analysis showed that the bands between 400 bp and 10,000 bp were distinguishable and similar in intensity when visualized with ethidium bromide staining.



Note:

10  $\mu$ l of E-Gel<sup>®</sup> 96 High Range DNA Marker was diluted with 10  $\mu$ l water and loaded onto a 1% E-Gel<sup>®</sup> 96 gel. The gel was run for 12 minutes. The bromophenol blue dye band runs just ahead of the 400 bp band.

**E-Gel<sup>®</sup> 96 High Range DNA Marker**  
100 ng/lane  
1% E-Gel<sup>®</sup> 96 Gel  
containing ethidium bromide