

## 50bp DNA Ladder

**Cat. NO.: HRP-201 50T**

**Store for six months at 4degrees c (-20degrees c for at least two years).**

### **Introduction:**

This product consists of 8 linear double-stranded DNA strips for the analysis of DNA stripes in agar gel electrophoresis.

This product is ready-to-use and already contains 1xloading buffer, which can be taken directly from 2-5 $\mu$ l, depending on the needs of the experiment electrophoresis, easy to use, electrophoresis image clear. The 8 bands in this product are divided into 50,100,150,200,250,300,350,400bp, of which 250bp is approximately 100ng/5 $\mu$ l, showing highlighted bands with the remaining strip concentrations of approximately 50 ng/5 $\mu$ l.

### **How to use:**

take 2-5 $\mu$ l this product is added to the sample hole of the agar gel (1mm per 1mm $\times$  1mm sample hole addition 1 sl, if

The sample hole is wider than 5mm and can be appropriately increased in sample size) for electrophoresis.

Recommended electrophoresis conditions: gel concentration of 2%-3%, gel length 5-7cm, electrophoresis voltage 4-10v/cm, electrophoresis time 20-30min.

Observe the strip under the UV lamp after dyeing via EB.

### **Note:**

The quality of agar sugar has a great influence on the electrophoresis of DNA, so try to use agar sugar of good quality when electrophoresis.

Use freshly formulated electrophoresis buffers and freshly formulated agar gel for electrophoresis to ensure Marker's good separation.

This Marker is suitable for determining the size of DNA fragments and rough quantification of DNA content, not for DNA Accurate quantification of fragment content.

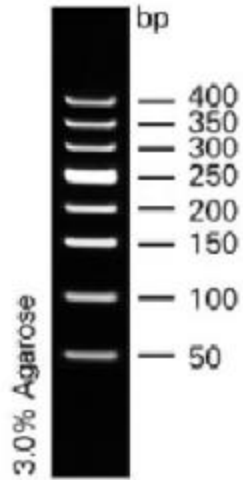
<b>3% agar sugar gel electrophoresis schematic</b>
upper sample: 5 sl
gel length: 7cm
electrophoresis voltage: 8v/cm
SLOW FLUSHING FLUID: 1 $\times$ TAE
electrophoresis time: 20min
comb size: 1mm $\times$ 5mm

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