



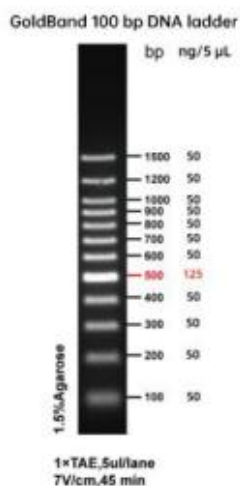
ELK Biotechnology
For research use only.

100 bp DNA Ladder

Catalog No.	Specification	Storage/Shelflife
EDL104-01	250μl	-20C°/2 years
EDL104-02	500μl	-20C°/2 years

Introduction

100 bp Ladder DNA Marker is composed of 12 kinds of DNA fragments with a length of 100 bp to 1,500 bp, dissolved in 1×Loading Buffer, and can be used for direct electrophoresis of 5-10 μl during use, which is very convenient to use. The indicator bands were 500 bp, the concentration was 125 ng/5 μL, and all other bands were 50 ng/5 μL.



Note

1. When the width of the sample well during electrophoresis is less than 5 mm, a clear band can be obtained by taking 5 μl Marker electrophoresis each time. If the sample hole is widened, the sampler volume of Marker must be increased appropriately.
2. If the DNA fragment to be identified is expected to be between 100 and 500 bp, 2.5% to 3% Agarose gel electrophoresis is recommended; if the DNA fragment to be identified is expected to be between 500 and 3000 bp, 1.5 to 2% is recommended Agarose gel electrophoresis
3. For DNA electrophoresis, the purity of Agarose greatly affects the clarity of DNA bands. Therefore, the best quality Agarose should be used for electrophoresis.
4. When performing Agarose electrophoresis, the concentration of Agarose is closely related to the separation performance of DNA fragments. The greater the concentration of Agarose, the better the separation performance of short DNA; conversely, the smaller the concentration of Agarose, the more favorable for the separation of long DNA.