

Version: 01
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DATASHEET

1 kb DNA Marker

Cat. No.: M00991

Product Description:

1 kb DNA Marker is composed of 9 bands which are 500 bp, 1,000 bp, 2,000 bp, 3,000 bp, 4,000 bp, 5,000 bp, 6,000 bp, 8,000 bp and 10,000 bp. The 5,000 bp band with higher concentration is distinguished easily from others.

Product Information:

Product Name	1 kb DNA Marker
Concentration	The concentration of the 5000 bp band is 40 ng/ul, and the concentration of the remaining bands is 20 ng/ul
Storage buffer	10 mM Tris-HCl (pH=7), 5 mM EDTA, 5% glycerol, 0.01% Bromophenol blue
Storage	Stable at -20°C for up to 12 months.

Notes: Aliquots are recommended before use to avoid repeated freeze-thaw cycles.

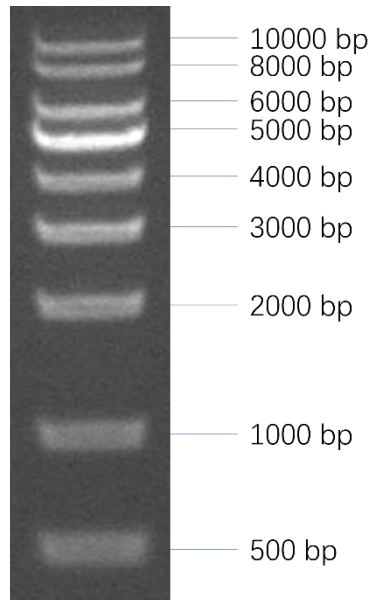
Product Instructions:

1. Recommended for 1.0-2.0% agarose gel electrophoresis, not recommended for polyacrylamide gel electrophoresis.
2. The electrophoresis buffer can be 1×TAE or 0.5-1×TBE, voltage 6-8 V/cm gel length, electrophoresis time 30-60 min.
3. According to the width of the loading hole (1 μl/mm width of gel well), use a sterilized pipette tip to absorb 5-10 μl of this product and add it to the loading hole.
4. Start electrophoresis after adding the DNA sample to be detected.
5. After electrophoresis, use ethidium bromide (EB) or other DNA dyes to stain and observe the electrophoresis bands.

Quality Control:

1. Agarose gel analysis shows that the bands between 500 bp and 10,000 bp are accurate in size and distinguishable. The 5,000 bp band is more easily identified than any other bands.
2. 5 μl quantities of GenScript 1 kb DNA Marker do not show any visible degradation after incubation in restriction enzyme buffer overnight at 37°C.

Data image



For laboratory research or manufacture use only. Direct human use, including taking orally and injection and clinical use are forbidden.

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