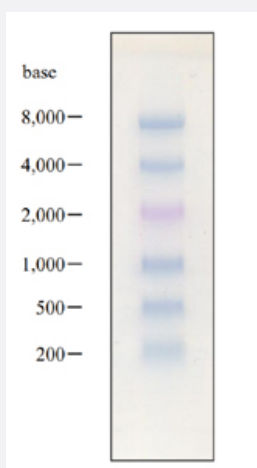


RNA Prestain Marker High

Catalog # R0019

Size 180 uL

Applications



Electrophoresis profile of RNA Prestain Marker High (6 uL) on 1% agarose - 2.2 M formaldehyde gel / 1 x MOPS buffer as running buffer.

For accurate electrophoretic determination of molecular weights, the RNA Marker High (Cat # R0003) or RNA Marker High Easy (Cat # R0004) should be used. The migration of the RNA Prestain Marker High has been optimized to use 0.8-1.5% of agarose gel concentration (see table 1). Particularly avoid freeze-thaw cycle. It is not possible to use for acrylamide gel electrophoresis.

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Table 1: Apparent molecular weights as a percentage compared to the RNA Marker High (Cat # R0003).

Specification

Product Description

The RNA Prestain Marker High is a RNA ladder for precise sizing of RNA molecules in denaturing agarose gels. The RNA Prestain Marker High is a visible molecular weight marker for ssRNA, consisting of six colored (blue and purple) nucleic acids. The six colored bands (apparent molecular weights are 200, 500, 1,000, 2,000, 4,000 and 8,000 bases) are suitable for monitoring denaturing agarose gel electrophoresis and blotting onto membranes. The RNA Prestain Marker High shows the same mobility as that of the RNA Marker High (Cat # R0003) on denaturing agarose gel electrophoresis (>90% accuracy, see table 1). The RNA Prestain Marker High is supplied in a ready-to-use mixture without requiring heating or the addition of a denaturing agent before use.

Quality Control Testing

After 24 hrs incubation of the RNA Prestain Marker High at 37°C, no visible degradation of the marker is observed in 1% agarose- 2.2 M formaldehyde gel electrophoresis.
Electrophoresis profile of RNA Prestain Marker High (6 uL) on 1% agarose - 2.2 M formaldehyde gel / 1 x MOPS buffer as running buffer.

Recommend Usage

Recommended loading volumes:
Comb (Load volume)
4~6 mm (4~6 uL)
>6 mm (>6 uL)

Storage Buffer

In 40 mM MOPS, 10 mM AcONa, pH 7.0 (1 mM EDTA-2Na, 10% glycerol).

Storage Instruction

Store at -80°C.
Aliquot to avoid repeated freezing and thawing.

Note

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Table 1: Apparent molecular weights as a percentage compared to the RNA Marker High (Cat # R0003).

Applications

- Electrophoresis