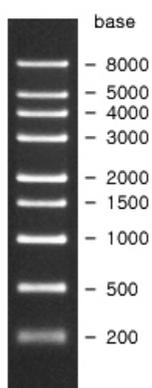


# RNA Marker High

Catalog # R0003      Size 50 ug

## Applications



RNA Marker High

Electrophoresis profile of RNA Marker High (0.9 $\mu$ g) on formaldehyde-agarose (1%) gel

## Specification

### Product Description

The RNA Marker High consists of nine single-stranded RNAs, 200, 500, 1,000, 1,500, 2,000, 3,000, 4,000, 5,000 and 8,000 bases, which are synthesized by in vitro transcription. The RNA Marker High is suitable for determining size of single-stranded RNAs in denaturing agarose gel electrophoresis. The concentration of each RNA (200-8,000 base) in the marker is approximately 0.1 ug/ul. It is useful for estimating of RNA amount. The RNA Marker High can be visualized by UV light after ethidium bromide staining or exposure to film with end labeling.

### Quality Control Testing

After 18 hr incubation of the RNA Marker High at 37°C, no visible degradation of the marker is observed in formaldehyde-agarose (1%) gel electrophoresis.

### Storage Buffer

10 mM Tris-HCl (pH 8.0) buffer containing 1 mM EDTA

### Storage Instruction

Store at -80 °C. Repeated freeze/thaw cycles should be avoided.

**Note**

RNA is very sensitive to degradation by nucleases. To avoid damaging the RNA Marker High, use extreme care during manipulations to prevent nuclease contamination. Wear gloves and use clean apparatus. Glassware should be pretreated with diethyl pyrocarbonate (DEPC). Nuclease-free disposable plasticware should be used. Solutions and reagents to mix the marker should be high grade and nuclease-free. To use, thaw the RNA Marker High on ice and keep it on ice while using.

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## Applications

- Electrophoresis