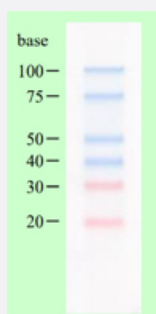


Small RNA Prestain Marker Plus

Catalog # R0018

Size 150 uL

Applications



Electrophoresis profile of Small RNA Prestain Marker Plus (5 uL) on 10% polyacrylamide - 7.5 M urea gel / 1 x TBE buffer as running buffer.

For accurate electrophoretic determination of molecular weights, the Small RNA Marker (Cat # R0007) or Small RNA Marker Easy (Cat # R0008) should be used. A migration of the Small RNA Prestain Marker Plus is optimized to use 10-15% acrylamide gel electrophoresis (see table 1).

This product is not for agarose gel electrophoresis.

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Table 1. This shows apparent molecular weights compared with the Small RNA Marker (Cat # R0007), and suitable acrylamide concentrations for electrophoresis of the Small RNA Prestain Marker Plus (Cat # R0018). (* 75 base RNA is from a newly synthesized RNA. A 75 base RNA is not included in Small RNA Marker (Cat # R0007).)

Specification

Product Description

The Small RNA Prestain Marker Plus consists of six prestained single-strand (blue and red) nucleic acids (apparent molecular weights are 20, 30, 40, 50, 75 and 100 bases) and it is visible during electrophoresis. The Small RNA Prestain Marker Plus is suitable for monitoring denaturing polyacrylamide gel electrophoresis and blotting onto membranes. The apparent sizes of bands in Small RNA Prestain Marker Plus are in excellent agreement with sizes of non-stained RNAs, 20, 30, 40, 50, 75 and 100 bases in length (about 95% accuracy). The Small RNA Prestain Marker Plus is supplied in a ready-to-use mixture and doesn't require heating or addition of a denaturing agent before use.

Regulatory Status

Please check the restriction regulation of formamide in your country.
Make sure that importing products which contain formamide is approved by your local administration.

Quality Control Testing

After 24-hrs incubation of the Small RNA Prestain Marker Plus at 37°C, no visible degradation of the marker is observed in 10% polyacrylamide - 7.5 M urea gel electrophoresis.
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Recommend Usage

Recommended loading volumes:
Comb (Load volume)
4-10 mm (5-10 uL)
>10 mm (>10 uL)

Storage Buffer

In 2 mM Tris-HCl, pH 8.0 (8 mM EDTA, 78% formamide).

Storage Instruction

Store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Note

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Applications

- Electrophoresis