



Product Information

RNA MARKER 0.1-1 KB

Product Number **R 6895**

Storage Temperature -70°C

Product Description

This product is suitable as a molecular weight marker for formaldehyde agarose gel electrophoresis. It is supplied at a concentration of approximately 1 mg/ml of 10 mM Tris-HCl, pH 8.0, with 1 mM EDTA.

Procedure

It is recommended to use 2 μl of the RNA Marker per lane. The RNA marker sample solutions are prepared for electrophoresis as follows:

- 2 μl RNA Marker (Product No. R 6895)
- 4 μl RNA Sample Loading Buffer
(Product No. R 4268)
62.5% (v/v) deionized formamide,
1.14 M formaldehyde,
1.25X MOPS-EDTA-Sodium Acetate Buffer
(Product No. M 5755, diluted 8-fold),
200 $\mu\text{g/ml}$ Bromphenol Blue,
200 $\mu\text{g/ml}$ Xylene Cyanole FF,
50 $\mu\text{g/ml}$ Ethidium Bromide

The RNA marker sample solution is incubated at 65°C for 10 minutes and immediately cooled on ice. The entire 6 μl of the RNA marker sample solution is run with appropriate RNA markers on a 10 mm thick denaturing (formaldehyde) agarose gel. Electrophoresis is performed in a mini submarine-type apparatus at 100 V for 1 hour in 1X MESA electrophoresis buffer (Product No. M 5755, diluted 10-fold). Seven bands are resolved and the band pattern is consistent with the fragment sizes.

Product Profile

Fragment Sizes

- 1000 bases
- 800 bases
- 600 bases
- 400 bases
- 300 bases
- 200 bases
- 100 bases

References

1. Sambrook, J., et al., Molecular Cloning, A Laboratory Manual, Cold Spring Harbor Laboratory (1989), p. 7.43-7.45.
2. Fasman, G.D., ed., Practical Handbook of Biochemistry and Molecular Biology, CRC Press, (1986), p. 464.

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