

RNA Marker 6000

Product Information

Cat.n.	Product Name	Spec.
FS-RMW-6000	RNA Marker 6000	25 µL

Product Description/Introduction

RNA marker 6000 is a mixture of seven high-purified single-stranded RNA transcripts (in bases): 6000, 5000, 4000, 3000, 2000, 1000 and 500 bases, obtaining by in vitro transcription. The RNA concentration of the product is about 700 ng/µL suitable for routine gel electrophoresis of RNA.

Storage and Shipping Conditions

Ship with dry ice; store at -80°C (short-term stored at -20°C), valid for 12 months.

Product Content

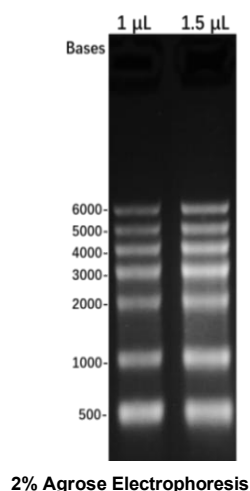
Component	
RNA Marker 6000	25 µL
2×RNA Loading Buffer	100 µL

Assay Protocol / Procedures

- Mix equal volumes of RNA Marker 1000 and 2×RNA Loading Buffer (about 1-2 µL) by pipetting or by gentle vortexing, heat at 70°C for 10 minutes, and immediately place on ice for 2 minutes.
- Load on gel.
 - Native agarose gels (**Not recommended**): 2-5% agarose with TAE Buffer
 - Denaturing formaldehyde gels (**Recommended**): 1-3% agarose with MOPS buffer.
Taking the preparation of 1% formaldehyde gel as an example.
Dissolve 0.5 g agarose powder thoroughly in 36 mL RNase-Free Water, by heating, add 5 mL 10×MOPS Buffer, cool the mixture to 60°C, and then add 9 mL 37% formaldehyde solution.

Note

- To avoid RNA degradation, use protective gloves and prepare fresh gels and electrophoresis buffers just before use. Plastic ware, tips and solutions should be treated with diethyl pyrocarbonate to prevent RNase contamination.
- RNA marker bands are quantitative reference of single-stranded linear RNA samples. For total RNA, it only can be used as a qualitative reference.
- Aliquot the RNA marker, if necessary, to minimize freeze-thaw cycles.



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