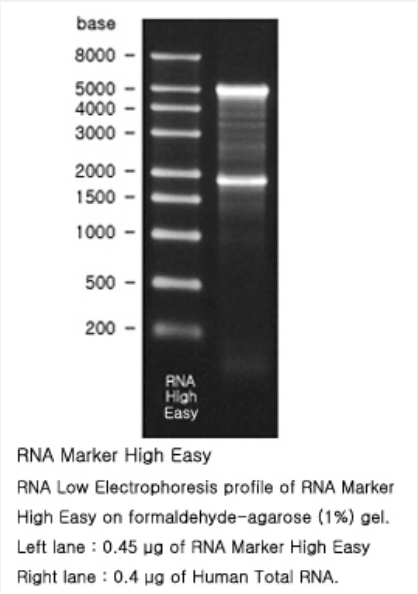
RNA Marker High Easy

Catalog # R0004 Size 25 ug

Applications



RNA Marker High Easy

RNA Low Electrophoresis profile of RNA Marker High Easy on formaldehyde-agarose (1%) gel.
Left lane : 0.45 μg of RNA Marker High Easy
Right lane : 0.4 μg of Human Total RNA.

Specification

Product Description	This product is manufactured for easy measurement of RNA size on agarose gel electrophoresis. With this product, electrophoresis is possible on non-denaturing agarose gel as well as on denaturing agarose gel. To use this product, just mix RNA loading buffer AG with formaldehyde solution (not included in this product), and added the mixture to RNA Marker High Easy or RNA sample, then heat to load into wells of agarose gel. The RNA loading buffer AG+ is a gel loading buffer prepared not only for denaturing agarose gel electrophoresis but also for non-contained denaturing agarose gel electrophoresis. The RNA Marker High Easy contains nine single-stranded RNAs, 500, 1,000, 1,500, 2,000, 3,000, 4,000, 5,000 and 8,000 bases. Each RNA is 0.1 ug/uL approximately. It is useful for estimating RNA amount approximately. After electrophoresis, RNA bands on agarose gel can be visualized by UV light without further ethidium bromide staining.
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 18 hr incubation of RNA Marker High Easy at 37°C, no visible degradation of the marker is observed in formaldehyde-agarose (1%) gel electrophoresis.
Supplied Products	RNA loading buffer AG

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Storage Instruction	Store at -80°C. Repeated freeze/thaw cycles should be avoided.
Note	RNA is very sensitive to degradation by nuclease. To prevent nuclease contamination, extreme care i s required for manipulation. 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 Mark er High Easy on ice. Keep RNA Marker High Easy and RNA loading buffer B on ice while using. This kit can be used for non-denaturing agarose gel electrophoresis. Although adequate results to size R NAs were obtained as far as we tested, denaturing agarose gel electrophoresis may be required for a strict experiment. Formamide is suspected to be harmful. It is irritate to the eyes and skin. Ethidium bromide is a strong mutagen and susupected to be toxic. Wear appropriate gloves and safety glasse s in using solutions and materials containing formamide and/or etidium bromide. Put a lid tightly at th e time of storage. Formaldehyde is carcinogen and toxic. Avoid breathing the vapors. Wear appropri ate gloves and safety glasses. Gel containing formaldehyde should be prepared and used in a chemi cal hood.

Applications

- Electrophoresis

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