Protocol

General Recommendations for RNA Electrophoresis

This protocol is for the General Recommendations for RNA Electophoresis

- RNA ladders, as well as any RNA, are extremely sensitive to degradation by ribonucleases. Use only fresh electrophoresis buffers and freshly poured gels.
- Use clean electrophoresis chambers. For RNA gel analysis, avoid electrophoresis tanks used for DNA miniprep analysis since DNA minipreps may contain RNase A or T1.
- Use the same loading dye for samples and for RNA markers. 2X RNA Loading Dye is available separately and is provided with all RiboRuler™ RNA ladders. It contains ethidium bromide for RNA visualization on denaturing formaldehyde gels. If RNA fragments are separated on native agarose gels or on polyacrylamide/urea gels, additional staining with ethidium bromide is recommended.
- For native gels, add 0.5 µg/ml of ethidium bromide to the agarose gel and to the running buffer.

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