ssRNA Ladder Loading Buffer







B0362S

0.4 ml ssRNA Loading Buffer (2X) Lot: 0011110 Store at -20°C Exp: 10/14

2X ssRNA Ladder Loading Buffer:

2X TBE (pH 8.3) 13% ficoll (w/v) 0.01% bromophenol blue 7 M urea

Note: Buffer no longer contains xylene cyanol ff.

Denaturing vs. Native Agarose Gels:

It is common practice to electrophorese RNA on a fully denaturing agarose gel, such as one containing formaldehyde (1).

In many cases it is possible to run RNA on a native agarose gel and obtain suitable results. In fact, it has been demonstrated that treatment of RNA samples in a denaturing sample buffer maintains the RNA molecules in a denatured state, during electrophoresis, for at least 3 hours (2,3). The use of native agarose gels eliminates problems associated with toxic chemicals, and the difficulties encountered when staining and blotting formaldehyde gels.

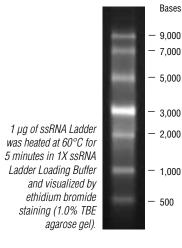
Sample Preparation: This method utilizes the 2X ssRNA Ladder Loading Buffer provided, and samples should be run on a native gel prepared with 1X TBE. This method does not always denature RNA molecules completely.

1. Combine on ice:

ssRNA Ladder (500 µg/ml): 2 μ l (1 μ g) H₂O (RNase-free): 3 μ l 2X ssRNA Ladder Loading Buffer: 5μ l

10 µl

2. Heat at 65°C for 5 minutes, chill on ice, load entire sample on gel.



CERTIFICATE OF ANALYSIS

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1-800-632-7799 info@neb.com www.neb.com



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