

## 5X RNA Loading Buffer

Product Name  
5X RNA Loading Buffer

Product Code  
ML048-4X0.25ML

Kit Packing  
4X0.25ml

**Introduction:** 5X RNA Loading Buffer is a premixed loading dye suitable for use in formaldehyde agarose gel electrophoresis of RNA. This is a two-color tracking dye for RNA migration during electrophoresis. This loading buffer is supplied as 5X concentrated and has to be diluted to 1X (with the RNA sample) before loading.

**Description:** The 5X RNA Loading Buffer is formulated for loading RNA samples on agarose gels. This buffer contains two tracking dyes: bromophenol blue and xylene cyanol FF. Bromophenol blue migrates faster than 5S rRNA and xylene cyanol FF migrates slower than 18S rRNA. This solution does not mask RNA in the gel during exposure to UV light. This dye solution contains the denaturing agent formamide and as a result all the RNA samples are separated according to their size. Moreover, formamide stabilizes the RNA.

**Application:** The 5X RNA Loading Buffer is used for of preparation and loading RNA ladders, markers and samples on formaldehyde-agarose gels.

**Composition:** The 5X RNA Loading Buffer contains bromophenol blue, xylene cyanol FF, 20% glycerol, formamide and formaldehyde.

### Properties:

Appearance : Blue colored solution  
Clarity : Clear and free of particles  
DNase & RNase : None detected  
Suitability test : This solution has been tested and is suitable for use in loading various RNA samples

**Storage conditions:** ML048 solution has to be stored at room temperature 2 - 8 °C.

### Technical Assistance

At HiMedia we pride ourselves on the quality and availability of our technical support. For any kind of technical assistance, mail at [mb@himedialabs.com](mailto:mb@himedialabs.com).

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