

5X RNA Loading Buffer

<u>Product Name</u>	<u>Product Code</u>	<u>Kit Packing</u>
5X RNA Loading Buffer	ML048-4X0.25ML ML048-0.25ML	4X0.25ml 0.25ml

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:

5X RNA Loading Buffer has to be stored at room temperature 2-8 °C. Under recommended condition, the reagent is stable for 12 months.

Please refer disclaimer Overleaf.

Warning and Precautions

Not for Medicinal Use. Read the SDS carefully before beginning the protocol. Wear protective gloves/protective clothing/eye protection/face protection. Follow good clinical laboratory practices while handling clinical samples. Standard precautions should be followed as per established guidelines. Safety guidelines may be referred in safety data sheets of the product.

Performance and Evaluation

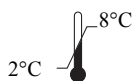
Performance of the solution is expected when the solution is stored at recommended temperature and within the expiry period.

Safety Information

The 5X RNA Loading Buffer is for laboratory use only, not for drug, household or other uses. Take appropriate laboratory safety measures and wear gloves and safety goggles when handling. Not compatible with disinfecting agents containing bleach. Please refer the Safety Data Sheet (SDS) for information regarding hazards and safe handling practices

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.



Storage temperature



Do not use if package is damaged



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ML048-02

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