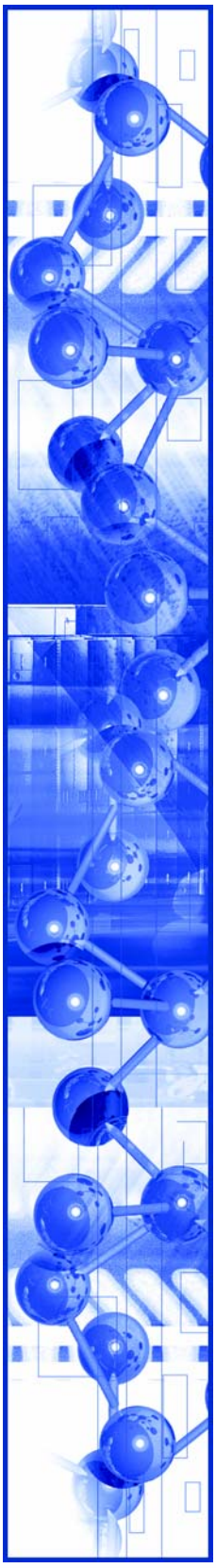

RNA EZ-Vision™ Loading Buffer, 1.5X

Code	Description	Size
N717-2x1.5ml	RNA EZ-Vision™ Loading Buffer, 1.5X	2 x 1.5ml
N717-Q-Sample	RNA EZ-Vision Loading Buffer, 1.5X sample size *Includes*: 0.3ml of RNA EZ-Vision™ Loading Buffer, 1.5X	300 ul

General Information:

RNA EZ-Vision™ is a convenient, easy-to-use alternative to ethidium bromide for immediate visualization of RNA bands in denaturing formaldehyde agarose gels. The non-mutagenic, fluorescent stain, supplied in a loading buffer, binds to the RNA sample prior to loading and comigrates with it during electrophoresis. Brilliant green bands against a dark background are immediately visible upon illumination with a standard U.V. transilluminator without the need for post-run staining and destaining. RNA EZ-Vision™ is sensitive to approximately 150 ng RNA per band. Image capture can be performed with standard green filters.

The 1.5X loading buffer includes formamide as an RNA denaturant and bromophenol blue as a tracking dye. It is guaranteed free of RNase activity and is compatible with downstream applications including Northern blotting.

RNA EZ-Vision™ is ideal for environments needing to reduce ethidium bromide use. In addition it streamlines the number of steps required for RNA electrophoresis protocols.

Storage/Stability:

Store at 18 - 26°C

Application Disclaimer

For Research Use Only.
Not for Therapeutic or Diagnostic Use.

Procedure:

NOTE: RNA EZ-Vision™ Loading Buffer, 1.5X is best used with RNA at a concentration of ≥ 1 mg/ml. If the stock RNA concentration is < 1mg/ml, RNA EZ-Vision should be used as a 2X solution instead of a 1X solution.

1. Vortex RNA EZ-Vision™ Loading Buffer prior to use to insure the solution is homogeneous.
2. Add 1 volume of RNA sample to 2 volumes of RNA EZ-Vision™ Loading Buffer
   - *Example: 5 µl of RNA sample mixed with 10 µl of RNA EZ-Vision™.*
3. Heat denature the samples for 10 minutes at 65°C.
4. Load the heat denatured RNA samples into a 1 – 2 % formaldehyde denaturing gel.
5. Separate the RNA at 5-8 V/cm according to standard protocols.
6. After the run, remove gel and place on U.V. transilluminator to immediately visualize the RNA.
7. For optimal results, image capture should be conducted with a SYBR® Green filter (green emission filter).

Related Products

Code	Product
0710	Agarose I
N580-100ml	RiboZol™ RNA Extraction Reagent
N643-KIT	RiboZol™ Plus RNA Purification Kit
N633-12x1ml	RiboReserve™ RNA Storage Buffer
0493-200ml	Formaldehyde, 37% Solution
E536-500ml	MOPS, 10X Liquid Concentrate

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