

MitoProd RNA ladder 0.5-6kB

Catalog number: #LAD-DT-25

Description:

MitoProd RNA ladders are a set of 8 RNA transcripts from 0.5 kB to 6kB suitable for use as molecular weight markers for agarose gel electrophoresis.

Amount: 25µg

Storage conditions:

Supplied in RNase free water.

Store at -80°C . For short term storage (<2 weeks), ladder can be stored at -20°C . As these can degrade the sample, avoid multiple freeze/thaw cycles by storing in single-use aliquots. To use the ladder, thaw it on ice and mix gently. While thawed, keep on ice.

Recommended procedure:

- ◆ 1. Use a mix v/v of ladder and 2X ladder buffer.
- ◆ 2. Heat at 70°C for 10 minutes, chill on ice.
- ◆ 3. Load sample on gel:
 - denaturing gel (18% formaldehyde 37%, 10% MOPS 10X, 1% agarose, with ethidium bromide)
 - native agarose gel (1% agarose in TAE 10X, with ethidium bromide)

N.B: For a better RNA visualisation, load:

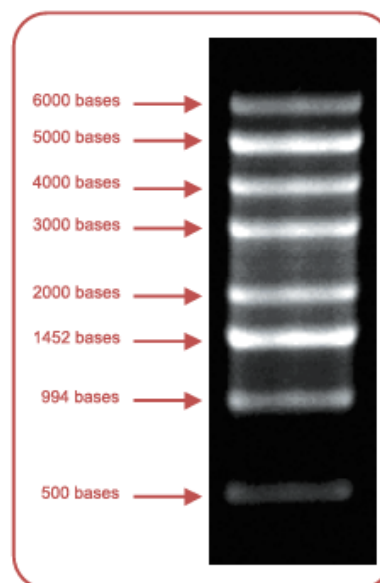
- on denaturing gel: 4 µl mix (v/v)
- on native agarose gel: 3 µl mix (v/v)

Caution:

MitoProd RNA ladder is very sensitive to degradation by ribonucleases. Extreme care is needed during manipulations to prevent RNase contamination. Gloves should always be worn.

Quality Control:

MitoProd RNA ladder is tested on native and denaturing 1% agarose gel stained with ethidium bromide.



3µl of MitoProd RNA ladder mix (v/v) was heated at 70°C for 10 minutes in 2X RNA Ladder sample Buffer and visualized by ethidium bromide staining (1% TAE native agarose gel)

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