

# ISOLATE II RNA Lysis Buffer RLY

**Batch No.:** See bottle    **Product**    **Catalog number**  
ISOLATE II RNA Lysis Buffer RLY    BIO-52079: 50ml



A Meridian Life Science® Company

## Storage and Stability:

ISOLATE II RNA Lysis Buffer RLY is shipped at ambient temperature and can be stored at room temperature. Storage at lower temperatures may cause precipitation of salts.

## Expiry

When stored under the recommended conditions and handled correctly, full activity of the kit is retained until the expiry date on the outer box label.

## Safety precautions

Please refer to the material safety data sheet for further information.

## Quality control specifications:

Bioline operates under ISO 9001 Management System. ISOLATE II buffers undergo extensive and stringent QC assays to give batch-to-batch reproducibility.

## Notes

Research Use Only.

## Features:

- Designed for use with ISOLATE II RNA kits
- Chaotropic salt immediately deactivates endogenous RNases
- For high-yield, high-purity RNA

## Applications:

- RNA isolation from cells and tissues
- Real-time PCR
- RT-PCR/cDNA synthesis

## Description

ISOLATE II RNA Lysis Buffer RLY contains guanidinium thiocyanate, a chaotropic salt which immediately deactivates endogenous RNases in biological samples, to ensure purification of intact RNA. After homogenization, ethanol is added to the sample and processed through a silica membrane spin column.

RNA Lysis Buffer RLY is designed for use with ISOLATE II RNA kits for extraction of total RNA when higher starting amounts of material, or difficult to lyse samples are to be processed.

Bioline ISOLATE II buffers undergo extensive and stringent QC assays and the guaranteed batch-to-batch reproducibility provides consistent results.

## Protocol

The ISOLATE II RNA kit purification procedures can be performed at room temperature.

Please refer to the buffer preparation section in the ISOLATE II RNA kit protocols.

ISOLATE II RNA Lysis Buffer RLY can be used in protocols specifying higher amounts of lysis buffer e.g. 600µl instead of 350µl.

Higher amounts of lysis buffer are recommended for difficult to lyse samples, and for example when using higher amounts of human/mammalian tissues (20-30mg).

## Associated products:

Product Name	Pack Size	Catalog No.
ISOLATE II RNA Mini Kit	50 preps	BIO-52072
ISOLATE II RNA Micro Kit	50 preps	BIO-52075
ISOLATE II RNA Plant Kit	50 preps	BIO-52077

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