



polyA RNA, 5 mg/ml

Cat. No. polyA-500

Important!

We are regularly improving the protocol for working with the kit. Please use the protocol included with the kit. The latest version of the protocol is available on the website of Biolabmix LLC (www.biolabmix.ru).

The kit is intended for research purposes only.

The protocol was updated on May 2024.

Description

PolyA RNA is a mixture of polyadenylates from 100 to 10000 nt. The reagent is used at RNA or DNA isolation to increase nucleic acids yield. PolyA RNA can be used as for spin columns, magnetic beads nucleic acids isolation and as for nucleic acids precipitation by alcohol (ethanol, isopropanol). PolyA RNA is co-isolated or co-precipitated with RNA and DNA from investigated sample.

- PolyA RNA can increase sensitivity and decrease threshold cycle values (Ct) by 1-3 cycles in real-time PCR.
- PolyA RNA can preserve target nucleic acids from nucleases at isolation process.

Contents

| Name | Volume |
|--------------------|--------|
| polyA RNA, 5 mg/ml | 500 µl |

Safety information

Buffers are toxic in contact with skin and insides, causing burns. You must follow the rules of general and personal safety when working with the kit.

In case of a contact with skin, wash immediately with plenty of water and detergents. Visit a doctor if necessary.

Before starting the procedures

Incubate polyA solution for 10 min at room temperature (15-25°C). Mix the solution.

Operation

- Add 1-5 µl of polyA RNA solution to the lysate when isolating RNA or DNA before adding binding or precipitation solutions if used.
- The analysis of isolated RNA or DNA can be performed by real-time RT-PCR or PCR.

- The concentration of isolated RNA or DNA can't be determined using UV spectrometry because of high quantity of polyA RNA in the final nucleic acids' solution.
- Fluorimetric methods for determining RNA or DNA concentration are recommended.

Storage

PolyA RNA solution should be stored at -20 °C. See expiration date on the package label.

Shipping

PolyA RNA solution can be shipped at room temperature (15-25 °C). Allowed shipping for 14 days at a temperature below 25 °C.