AMPLIQON
PCR ENZYMES & REAGENTS

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G2 DNA/RNA Enhancer

Freeze dried in 0.1 mm beads

MADE IN **DENMARK**

Cat. No.	G2 DNA/RNA Enhancer, 0.1 mm beads ID: 4100100
A420110	10 vials
A420125	25 vials
A420150	50 vials
A420100	100 vials

For Research Use Only. Not for use in diagnostics procedures.

Other product sizes, combinations and customized solutions are available. Please look at www.ampliqon.com or ask for our complete product list for PCR Enzymes. For customized solutions please contact us.

Made in Denmark

Issued 08/2025

Advion Interchim scientific

Features and General Description

G2 DNA/RNA Enhancer is convenient to use, when optimal DNA and or RNA extraction yield is required from especially clay. The primary function of G2 DNA/RNA Enhancer is to relieve inhibitory DNA-clay particle formations. G2 DNA/RNA Enhancer increased microbial DNA and RNA yield from clay – at least 2-10 fold.
G2 DNA/RNA Enhancer should be used in combination with either standardized extraction methods or commercial kits intended for DNA & RNA extraction from soil and clay.

Recommended Storage and Stability

Storage at -20 to +25 °C. Keep dry.

Quality Control

G2 DNA/RNA Enhancer is tested for contaminating activities, with no traces of endonuclease activity, nicking activity, exonuclease activity or RNase activity. Furthermore, G2 DNA/RNA Enhancer is functionally tested regarding DNA extraction from a difficult-to-extract matrix.

Kit Components

Ampliqon G2 DNA/RNA Enhancer

Freeze dried G2 DNA/RNA Enhancer and 0.1 mm beads in a 2 ml tube.

Protocol

This protocol serves as a guideline for DNA and RNA extraction when using G2 DNA/RNA Enhancer. The G2 DNA/RNA Enhancer must be applied with an extraction kit.

- Add 0.25 grams of soil sample to the G2 DNA/RNA Enhancer tube.
- Apply your DNA or RNA isolation kit. E.g. DNeasy PowerSoil Pro Kit.
  - If the bead-beating tube of the kit contains a lysis buffer, transfer this lysis buffer to the G2 tube and discard the now empty bead-beating tube of the kit.
  - If the kit offers separate bead-beating tube and lysis buffer, add lysis buffer to the G2 tube and discard the bead-beating tube of the kit.
- Gently vortex.
- Proceed by following the manufacturer's kit instructions, using the G2 tube instead of the bead beating tube of the isolation kit, in order to obtain optimal results.