

G2 DNA/RNA Enhancer

MADE IN DENMARK

Cat. No.	Reactions	G2 DNA/RNA Enhancer ID: 4100000
A420015	10	1 x 5 ml
A420025	50	5 x 5 ml
A420035	100	10 x 5 ml

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

Long term storage at -20 °C. Product expiry at -20 °C is stated on the label.

Option: Store at +4 °C for up to 6 months.

Quality Control

G2 DNA/RNA Enhancer is tested for contaminating activities, with no trace 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.

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 500 µl of G2 DNA/RNA Enhancer to 0.25 grams of soil sample and vortex.
- Reduce the water content e. g. by freeze-drying for 24 h.
- Proceed with your DNA or RNA isolation kit (e.g. MOBIO PowerSoil® DNA Isolation Kit or PowerLyzer™ PowerSoil® DNA Isolation Kit) following the manufacturer's kit instructions.

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.

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