

## G2 DNA/RNA Enhancer

MADE IN DENMARK

Cat. No.: A420015



A420015

10 Reactions

G2 DNA/RNA Enhancer	
ID No.	4100000
Cap colour	Clear
Content	1 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 with regard to DNA extraction in a difficult-to-extract matrix.

### Kit Components

#### Liquidized G2 DNA/RNA Enhancer

#### 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.

#### Procedure:

- 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.

### Related Products

G2 DNA/RNA Enhancer	Cat. No.
0.1 mm Beads	
• 10 vials	A420110
• 50 vials	A420150
• 100 vials	A420100
1.4 mm Beads	
• 10 vials	A421410
• 50 vials	A421450
• 100 vials	A421400
Liquidized	
• 50 reactions	A420025
• 100 reactions	A420035

PCR Grade Water	Cat. No.
6 x 5 ml	A360056

Taq Polymerase (500 units) *	Cat. No.
Taq DNA Polymerase 5 U/µl	A110003
• with 10x Ammonium Buffer	A111103

Hot Start Polymerase (500 units) *	Cat. No.
TEMPase Hot Start DNA Polymerase, 5 U/µl	A220003
• with 10x Ammonium Buffer	A221103

\*Available in kits including one or two buffers (Ammonium Buffer, Standard Buffer or Combination Buffer). \*\*AccuPOL only available in kits with Ammonium Buffer. All kits include extra 25 mM MgCl<sub>2</sub>.

Taq Master Mixes (500 x 50 µl reactions) *	Cat. No.
2x Master Mix, 1.5 mM MgCl <sub>2</sub> final concentration	A140303
2x Master Mix RED, 1.5 mM MgCl <sub>2</sub> final concentration	A180303

TEMPase Hot Start Master Mixes (500 x 50 µl reactions) *	Cat. No.
2x Master Mix A**, 1.5 mM MgCl <sub>2</sub> final concentration	A230303
2x Master Mix A**BLUE, 1.5 mM MgCl <sub>2</sub> final concentration	A290403

\*Master mixes available also in 1.1x variants as well as 2 mM MgCl<sub>2</sub> variants, \*\*Mix A is Ammonium Buffer based, also available as Mix C based on Combination Buffer.

Real-time PCR Master Mixes (400 x 25 µl reactions)	Cat. No.
RealQ Plus 2x Master Mix for probe,	
• without ROX™	A313402
• with low ROX™	A314402
• with high ROX™	A315402
RealQ Plus 2x Master Mix Green	
• without ROX™	A323402
• with low ROX™	A324402
• with high ROX™	A325402

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](http://www.ampliqon.com) or ask for our complete product list for PCR Enzymes. For customized solutions please contact us.

Made in Denmark

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