

HigherPurity™ Soil DNA Isolation Kit

For a high quality, convenient and easy high quality DNA isolation from soil samples



Ordering info:

| Cat No. | Size |
|----------|---------|
| AN0140-S | 20 rxn |
| AN0140 | 50 rxn |
| AN0141 | 100 rxn |

Includes for 50 rxn:

- 50 CleanEasy™ MiniSpin Columns
- 100 Collection tubes (2 mL)
- 50 Dry bead tube
- 12 g Glass Bead
- 40 mL Lysis Solution 1 (LS1)
- 20 mL WB1 Buffer
- 35 mL EB Buffer
- 15 mg Proteinase K
- 15 mL Inhibitor Removal Buffer (IR-Buffer)
- 50 microcentrifuge tube (1.5 mL)
- 15 mL Buffer A
- 25 mL Buffer B



Description:

HigherPurity™ Soil DNA Isolation Kit provides a high quality, convenient and easy-to-use method technique to isolate high quality DNA from soil samples. The kit uses HigherPurity™ breakthrough technology based in DNA ability to bind silica in the presence of high concentrations of chaotropic salts as guanidinium thiocyanate.

Extractions are rapidly and efficiently lysed by bead beating. The sample DNA is then bound to the surface of a silica membrane that is inside the CleanEasy™ Spin Columns and washed and the bound DNA is then desorbed from the surface of the membrane. The inhibitors of the downstream PCR will be removed with the buffers system included in the kit.

Advantages & Features:

- ✓ **High quality** DNA isolated from soil samples.
- ✓ **Time-Saving:** rapid isolation of ready-to-use DNA within 58 minutes.
- ✓ **Easy, safe and convenient:** avoids phenol/chloroform extraction.
- ✓ **High purity:** eliminate humic acid, polysaccharides, phenol compounds and enzyme inhibitor from stool sample.
- ✓ **Sample Size:** mini Kit Prep: 0.2-1g of soil sample.
- ✓ **Efficient:** soil samples are lysed by bead beating.

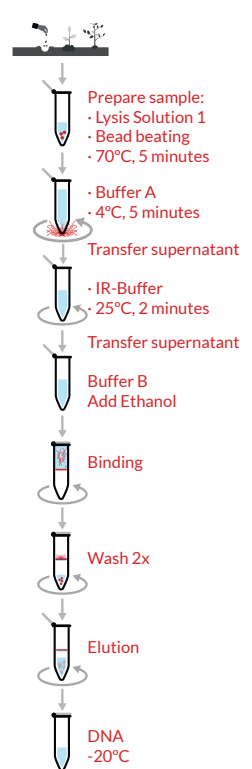
Applications:

- ✓ All Molecular Biology applications, such as:
 - Digestion with restriction enzymes.
 - Automated sequencing.
 - PCR template.
 - Southern Blots.

Quality control:

- ✓ Tested for isolation of DNA from soil sample.
- ✓ The quantity and quality of purified DNA attend to:
 - Ratio 260/280 (1.8-2.0).
 - Agarose gel electrophoresis.

Protocol:



HigherPurity™ Viral DNA/RNA Mini Spin Kit

For an efficient, safe and rapid simultaneous purification of viral DNA and RNA from cell-free samples



Ordering info:

| Cat No. | Size |
|----------|---------|
| AN0605-S | 20 rxn |
| AN0605 | 100 rxn |

Includes for 100 rxn:

- 100 CleanEasy™ MiniSpin Columns
- 200 Collection tubes (2 mL)
- 25 mL BLY Buffer
- 40 mg Proteinase K
- 36 mL WB1 Buffer
- 20 mL WB2 Buffer
- 620 µg Carrier RNA (lyophilized)
- 15 mL Elution Buffer



Description:

HigherPurity™ Viral DNA/RNA Mini Spin Kit offers an efficient, fast and simultaneous purification of viral DNA and RNA from cell-free samples such as serum, plasma and cerebrospinal fluid. The kit uses HigherPurity™ breakthrough technology based in nucleic acid ability to bind silica in the presence of high concentrations of chaotropic salts. The viral RNA/DNA molecules bind to the silica-based media and impurities such as proteins and nucleases are removed by thorough washing with Wash Buffer. The RNA/DNA is then eluted in sterile, RNase free water.

Advantages & Features:

- ✓ **Efficient:** 3-6 µg of genomic DNA from a 200 µl plasma/serum.
- ✓ **Fast:** results in less of 28 minutes.
- ✓ **Safe:** no phenol-chloroform extraction.
- ✓ **Ready-to-use:** genomic DNA, in all Molecular Biology applications.

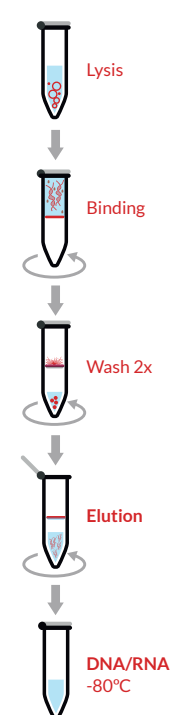
Applications:

- ✓ Purified DNA suitable for all common Molecular Biology applications, such as:
 - RT-PCR.
 - qRT-PCR.
 - qPCR.
 - Viral load monitoring.
 - Viral detection.
 - Viral genotyping.

Quality control:

- ✓ DNA isolated from 200 µl of plasma/serum and analysed by PCR.

Protocol:



Related products:

- BrightMAX™ DNA Ladders (p.116)
- RNA services (p.140)
- Proteinase K (p.112)