HigherPurity™ Blood Genomic DNA Extraction Kit

Description:
HigherPurity™ Blood Genomic DNA Extraction kit is a reliable, easy-to-use and rapid method for high-quality genomic DNA purification from various sources, including: whole blood, serum and cell lines. The procedure includes: lysis, protein removal, DNA precipitation, washing and hydration.

Advantages & Features:
- **Really easy and fast protocol:** it takes 86 minutes to results.
- **Highly efficient:** 3-6 μg of genomic DNA from a 200 μl blood sample.
- **Versatile:** high quality DNA obtained from different sources.
- **Safe and convenient:** avoids phenol/chloroform extraction.
- **Pure genomic DNA:** ready-to-use in all Molecular Biology applications.
- **Reproducible extraction:** of high molecular weight genomic DNA purified.

Applications:
- Purified DNA suitable for all common Molecular Biology applications, such as:
  - PCR.
  - Cloning.
  - DNA sequencing.
  - Southern blot analysis.

Quality control:
- Tested on a lot-to-lot basis by isolating total DNA from 200 μl of whole Human blood. DNA purified is analysed by:
  - Spectrophotometer: Ratio 260/280 (1.8-2.0).
  - Agarose gel electrophoresis.

Ordering info:

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<th>Cat No.</th>
<th>Size</th>
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<tr>
<td>AN0043-S</td>
<td>20 rxn</td>
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<tr>
<td>AN0043</td>
<td>150 rxn</td>
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Includes for 150 rxn:
- 2 x 60 mL S1 Buffer
- 36 mL S2 Buffer
- 12 mL S3 Buffer
- 30 mg Proteinase K
- 10 mL EB Buffer

DNA Magnetic Bead based Purification

MagBeads™ Bacteria G (-) Genomic DNA Isolation

Description:
MagBeads™ Bacteria G (-) Genomic DNA Isolation Kit provides a consistent, easy-to-use and rapid high quality DNA isolation from Gram-negative bacteria. The kit uses MagBeads™ breakthrough technology for extraction based on paramagnetic beads.

It has been optimized specifically for isolating bacterial DNA from cell pellets after culturing. The extraction process includes an initial cell-wall lysis step with the appropriate Buffer to ensure efficient cell lysis and DNA release from the cell, DNA binding to the surface of the magnetic beads, washing and elution.

Advantages & Features:
- **High quality:** 100% chloroform and phenol free.
- **Safe:** avoids the uses of dangerous and polluting chaotropic salts.
- **Harmless:** ideal for the downstream applications.
- **Time-saving protocol:** avoids centrifugation step in DNA purification process.
- **Cost avoidance:** saves on equipment costs and increases portability of the technique.

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

Quality control:
- Tested for isolation of DNA from E. coli. The quantity and quality of purified DNA attend to:
  - Ratio 260/280 (1.8-2.0).
  - Agarose gel electrophoresis.
  - Digestion with restriction endonucleases.

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<td>AN0502</td>
<td>100 rxn</td>
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<tr>
<td>AN0503</td>
<td>250 rxn</td>
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Includes for 50 rxn:
- 0.5 mL MagBeads™ solution
- 15 mL Lysis Buffer solution 1
- 5 mL Lysis Buffer solution 2
- 10 mL WB1 Buffer
- 5 mL EB Buffer
- 500 μL RNAse A

Related products:
- Proteinase K (p.112)
- Horse-Power™ Taq DNA Pol. (p.103)
- Custom solutions (p.147)
- RNase (p.111)

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- Proteinase K (p.112)
- Horse-Power™ Taq DNA Pol. (p.103)
- Custom solutions (p.147)
- RNase (p.111)
- CaxBeads™ Magnetic Particles (p.129)