Facile and Rapid Extraction and Purification of Genomic DNA

The Omni-Pure™ Genomic DNA purification system is designed for a convenient volume of 300 µl whole blood (lower volumes can also be used) to yield an average of ~10 µg ultra pure DNA. This quantity is sufficient for restriction-based Southern blot analysis and hundreds of PCR-based analyses.

The Omni-Pure™ Genomic DNA purification system is designed for convenience and consistency. It is a universal genomic DNA purification system. Ultra pure genomic DNA can be purified from small amounts of almost all known sample types and sources. Samples from human blood, bodily fluids, animal and plant tissue and microbial and viral sources have been purified using the Omni-Pure™ Genomic DNA purification system. One purification is usually sufficient to yield enough DNA for all molecular biology applications.

APPLICATION:
Blood DNA Purification

Each purification sample volume is specially geared towards the desired downstream application. A sample volume of 300 µl is recommended for human blood samples yielding on average from 5–15 µg of high molecular weight and high quality genomic DNA for two restriction digestions for Southern blot analysis. The yield is sufficient for hundreds of PCR amplification reactions. An accompanying product manual contains a detailed protocol for the extraction of genomic DNA from tissues and bodily fluids.

APPLICATION:
Tissue DNA Purification

An accompanying product manual contains a detailed protocol for the purification of genomic DNA from animal tissue. The protocol has been tested and yields high quality DNA. The gel picture shows genomic DNA extracted from mouse and rat skeletal muscle and liver. This system is geared towards minute tissue samples. From 2 mg of tissue an average yield of 2-10 µg is expected. The DNA is suitable for all molecular biology applications.
APPLICATION: Plant DNA Purification

An accompanying product manual contains a detailed protocol for the purification of genomic DNA from plant tissue. The protocol has been tested and yields high quality DNA. The gel picture shows genomic DNA extracted from plants such as ginger, green pepper, cilantro and carrot. This system is geared towards minute tissue samples. From 2 mg of tissue an average yield of 2-10 µg is expected. The DNA is suitable for all molecular biology applications.

Samples from various plant tissues were processed for DNA purification using the Omni-Pure™ Plant DNA Purification System. Purified genomic DNA (~200 ng) was electrophoresed on a 0.7% agarose gel and stained with ethidium bromide. Observe high quality genomic DNA that ranges from ~30 to 50 kb in size. Lane 1 contains molecular weight markers followed by plant samples from ginger, green pepper, cilantro, blank lane, carrot and animal genomic DNA comparison samples from human, mouse and pig.

Omni-Pure™ Genomic DNA Purification Systems

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*Sample volume for each purification system varies. Each purification yields sufficient quantity for desired applications.

Gene Link
1-800-GENE LINK
www.genelink.com

The Omni-Pure™ Genomic DNA Purification System

- Ultra Purified Genomic DNA
- No Toxic Reagents
- ~30 Minute Protocols
- Blood & Bodily Fluid Genomic DNA
- Animal Tissue Genomic DNA
- Plant Tissue Purification
- Yeast DNA Purification
- Gram Positive & Negative Bacterial DNA
- Suitable for All Molecular Biology Applications
- Convenient Optimized Systems
- Detailed Manual Provided with Product

Are You Genotyping?

Consider using Gene Link’s comprehensive line of non-radioactive gene detection systems. We have genotyping solutions for triple repeat disorders, single base mutations and various pathogens.

Convenience Perfected

All of the reagents, a simple 30 minute protocol and ultra pure genomic DNA for all your gene detection applications. Get one today!