
New GeneiUltrapure™ DNA Purification Kits

Rapid, Reliable & Reproducible...

Description: GeneiUltrapure™ DNA Purification Kit ranges are designed for isolation of ultrapure DNA using Gravity based Anion Exchange Resin. Purification follows a simple Lyse-bind- wash-elute procedure yielding ready-to-use ultrapure DNA.

Features/Highlights:

- Faster purification.
- Maximum recovery
- Highly consistent.
- Cesium grade quality-DNA
- No use of hazardous chemicals
- Columns are RNase, DNase free
- Purified DNA suitable for all downstream applications.
- Complete removal of RNA , Protein and PCR inhibitors.
- 260/280 ratios are between 1.6 to 2.0.

Principle:

GeneiUltrapure™ DNA Purification Kits are based on the selective binding of nucleic acids from crude extract to a silica based anion exchange resin. Under appropriate salt concentration and pH, negatively charged nucleic acids bind to the surface of a positively charged resin. The extraordinary high charge density on its hydrophilic macro porous anion exchange resin leads to the most easiest & cost effective approach to ultra pure DNA preparation, contaminants such as proteins, polysaccharides flow through. Impurities are further removed by an effective wash step. Finally DNA is eluted in a high salt buffer, then concentrated and desalted by isopropanol precipitation.