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PME Food DNA Kit

When it comes to food analysis, reliable and highly efficient DNA extraction from respective food samples is the foundation of the generation of valid results. The PME Food DNA Extraction Kit has been specifically developed for the simple and rapid isolation of DNA from liquid as well as solid food samples such as milk, milk powder, juices, wine, various flours, meat, chocolate, bread, and many more.

It is based on the innovative technology called PME - Polymer Mediated Enrichment. Free DNA from liquid samples is captured by a polymer after protein digestion. Both the polymer-DNA complex and other intact cells are then pelleted by centrifugation and dissolved in lysis buffer. This workflow guarantees maximum yield of cell-free DNA frequently present in processed food products. In contrast, solid food samples are directly dissolved in lysis buffer before DNA is purified based on spin filters. Thanks to the optimized chemistry of lysis and binding buffer, critical food samples such as chocolate and tomato paste can be processed easily and the presence of inhibitory substances within the eluate is minimized. Thus, DNA purification by the PME Food DNA Extraction Kit offers ideal conditions for the successful implementation of downstream applications such as PCR-based food authenticity testing.

Product Name: PME Food DNA Kit

Product details

Extract: DNA

Reactions: 10 / 50 / 100 / 250 (either or)

Sample type/Starting material: Food

Specifications:
Starting material

Liquid and water-soluble food samples such as milk, milk powder, juice, wine, flour (up to 1 mL)

Solid food samples, processed food, such as meat, sausage, chocolate, bread (up to 100 mg)

Average yield

Depending on sample quality/quantity

Extraction time

Liquid samples: ca. 2,5 h

Solid samples: ca. 2 h

Average purity

Depending on sample quality, 1.6 – 2.0

The online shop

Price: € 210.00

Content: 50 reactions