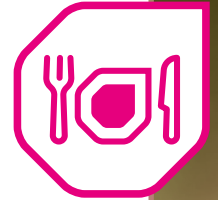


GRAINS DNA EXTRACTION KIT



The Grains DNA Extraction Kit is designed for the isolation of high-quality genomic DNA from cereals, flours, and derivative food products such as pasta.

The kit is particularly suitable for verifying the content of soft wheat in durum wheat pasta, supporting compliance with Italian law, which allows a maximum of 3% soft wheat in dry pasta.

The protocol combines efficient lysis and silica column purification, ensuring optimal DNA yield and purity. The extracted DNA is suitable for amplification in Real-Time PCR, including use with the Grain Quantitative Kit (Diatheva, MBK0062) for quantification of *Triticum aestivum* contamination.

Product highlights

HIGH DNA YIELD

Optimized extraction protocol for maximum recovery and purity

WIDE SAMPLE COMPATIBILITY

Validated on cereals, flours, and processed foods such as pasta and bread

PCR-READY DNA

Provides high-quality DNA suitable for downstream amplification

Intended use

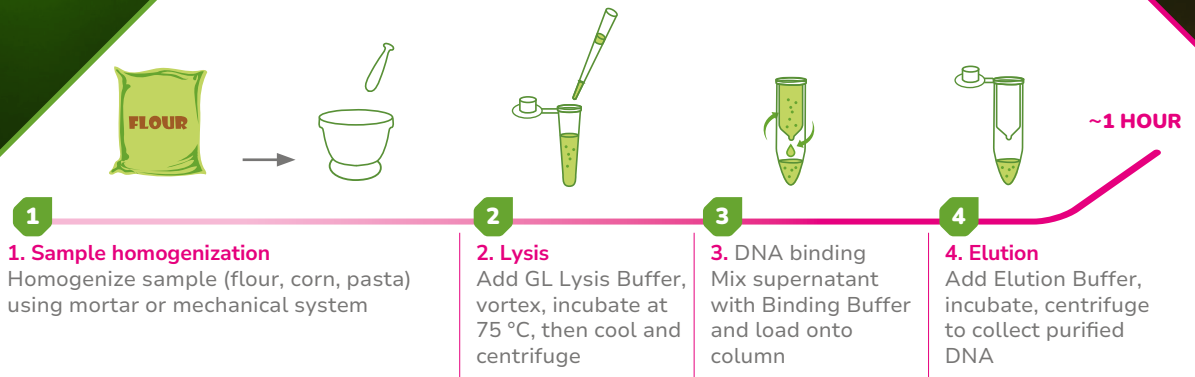


Isolation of genomic DNA from cereals, flours, and derivative products such as pasta



Preparation of DNA suitable for downstream Real-Time PCR analysis

Workflow



Total analysis time: ~1 hour

Product Features

SUPERIOR PERFORMANCE

Efficient lysis and purification system ensuring complete DNA release and optimal yield

HIGH PURITY

Silica membrane technology minimizes impurities, providing DNA ideal for PCR applications

EASE OF USE

Simple, reproducible column-based workflow requiring minimal training

BROAD APPLICABILITY

Suitable for various cereals, flours, and processed food matrices

RELIABILITY

Delivers consistent DNA yield and quality across different sample types

CONVENIENCE

Ready-to-use reagents and straightforward protocol for routine laboratory use

Technical specifications

TEST METHOD	Silica column-based DNA extraction
FORMAT	50 extractions
STORAGE TEMPERATURE	Room temperature (15–25 °C), protected from light
SPECIES SAMPLE	Cereal-derived products
SAMPLE TYPE	Corn, flour, pasta, and cereal derivatives
ASSAY TURNAROUND TIME	1 hour

ORDERING INFORMATION

CODE	SIZE
MBK0064	50 EXTRACTIONS

For more information or to place an order, contact us at info@diatheva.com