



GMO Testing & DNA Isolation

Efficient Analytical Solutions For GMO Testing Laboratories

In many countries, consumers take a strict attitude when it comes to genetically modified organisms (GMOs). Labelling a product as "Non-GM" increases the value of that product for customers as well as for producers. In an ever more complex environment with a continuously growing number of approvals and commercially planted GMOs, reliable GMO testing is essential in order to meet customer demands and legal requirements.

Additionally, the availability of high quality DNA is a pre-requisite for subsequent nucleic acid based analytical technologies, especially when targeting to detect the single GMO grain in 10000 others. A high variability in food and feed sample matrix types such as low vs. high DNA rich samples, or raw vs. highly processed samples require solutions developed to meet those challenges.

Key Benefits Of GMO Testing Kits



Comprehensive solution with our GMOScreen, GMOIdent and GMOQuant product lines



Time- and cost efficient by using multiplex assays and advanced screening targets



Flexible combination of our GMO testing kits with our DNA isolation portfolio

Contact us to find your perfect customised GMO testing & DNA isolation strategy.

The Three Pillars of GMO Testing



GMOScreen

Does the sample contain GMO material?

- Screening kits covering most relevant GMOs
- Enhanced efficiency through multiplex screening kits
- New targets for advanced screening approaches

GMOldent

Does the sample contain unapproved GMOs?

- Event-specific kits for the identification of single GMO events
- Modification-specific kits answer different questions in one step
- Exclusion of non-approved GMOs

GMOQuant

Does the product have to be labelled?

- Event-specific kits based on official EURL methods
- Quantitative multiplex kits reduce costs and save time
- Quantification in relation to species-specific reference

DNA Isolation For Genetically Modified Organisms



Our GMO testing kits can be easily combined with the DNA isolation portfolio to offer the perfect solution for the analysis of food and feed matrices.

DNA Isolation

iMAGo Food

Automated solution for all kinds of food and feed samples based on magnetic beads for open platforms

GeneSpin

Conventional test kit for all kinds of food and feed samples based on silica spin columns

DNAExtractor

Buffer based solution specifically designed for the challenging matrices honey, gelatin and fat

DNA Cleaning Columns

- Removal of impurities from DNA isolates to reduce real-time PCR inhibition rates
- Ideal for pre- and post-PCR clean up
- Easy-to-use: takes less than four minutes per run

GMO Real-Time PCR

- Comprehensive portfolio of real-time PCR kits of GMO and species specific assays
- SMARTCheck GMO
 Solution to cover the most important gm crops soy, corn and canola
- Evaluation tool for quick and easy evaluation of real-time PCR results

