

WORLD-CLASS
DNA/GMO
TESTING
SERVICES



ISO 17025 ACCREDITED



OMIC USA INC.
DNA/GMO LABORATORY

The OMIC USA Inc. DNA/GMO Laboratory was established in 2000 to accommodate the analytical testing needs of the Pacific Northwest's food and feed industries.



Over the past eleven years, our ISO 17025-accredited laboratory has garnered worldwide recognition as a standard testing laboratory for DNA/GMO assays. Equipped with state-of-the-art technology and instrumentation, we offer the most advanced analytical and diagnostic solutions for detecting and quantifying GMO contamination.

Leading Detection Technology

In order to ensure consistent precision and reliability, OMIC USA Inc. has adopted two analytical methods for the detection of traces of GMO material: **1) DNA-based polymerase chain reactions (PCR) and 2) protein-based enzyme-linked immunosorbent assays (ELISA)**. Our detection methods are internally validated, and performance is based on certified reference materials (CRM); they are traceable to the Association of Analytical Communities (AOAC), GM Technology Providers, the Joint Research Centre, the National Food Research Institute of Japan (NFRI), and the Ministry of Health, Labor and Welfare of Japan (MHLW).

The DNA/GMO laboratory specializes in the testing of food and feed products destined for Asian markets. In addition to GMO testing, our service offerings include **micro-PCR analysis, rice variety identification, and food allergen testing**. Ongoing research and evaluation of new GMO detection methods and quality assurance procedures enables us to fulfill the diverse needs of our customers by providing cutting-edge services at highly competitive rates.

Strong Commitment to Quality & Service

Our commitment to quality has resulted in **improved analytical documentation, unparalleled accuracy, and integration of the latest technology and regulations** to ensure compliance with U.S. and international GMO labeling and certification requirements.

We verify the accuracy and reliability of GMO testing methods by regularly participating in various national and international proficiency programs. Our quality assurance efforts begin at the sample preparation stage, where each step of the preparation process is closely monitored to prevent cross-contamination that could compromise test results, and all sample analysis procedures are traceable through our comprehensive laboratory information management system (LIMS).



Staffed by a veteran team of scientific professionals with B.S.- and Ph.D.-level experience in transgenic development research and analysis, the OMIC USA Inc. DNA/GMO Laboratory prides itself on the ability to offer **rapid turnaround times, friendly customer service, competitive pricing, and results you can rely on.**

Competitive Advantage

In order to remain competitive, we have implemented a qualitative screening test method that detects specific GMO markers common in most transgene constructs; this method enables us to **minimize per-unit testing costs.** In some cases, this simple test is sufficient to obtain a final result of "positive" or "negative;" however, a quantitative test will be necessary to quantify precise amounts of GMO traces in a given sample.

Service Offerings

- Non-GMO certification
- Flax GMO testing
- Rice GMO testing
- Other GMO testing
- Testing for exports to Japan
- Testing for exports to South Korea

TESTING THE LIMITS™



Headquartered in Portland, Oregon, OMIC USA Inc. has provided unparalleled independent laboratory and inspection services to world food suppliers and agricultural industries for more than 50 years.



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