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# Dairy Testing Market Forecasts to 2032 – Global Analysis By Test Type (Safety Testing and Quality Testing), Product Type, Technology, End User and By Geography

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## Abstracts

According to Stratistics MRC, the Global Dairy Testing Market is accounted for $7.50 billion in 2025 and is expected to reach $14.81 billion by 2032 growing at a CAGR of 10.2% during the forecast period. Dairy testing is the process of analyzing milk and dairy products to ensure quality, safety, and compliance with regulatory standards. It involves detecting contaminants, verifying nutritional content, and assessing parameters such as composition, microbiological quality, and adulteration. Using advanced analytical techniques, dairy testing helps maintain product consistency, extend shelf life, and protect consumer health, while supporting producers in meeting industry and government requirements for safe and high-quality dairy production.

According to the U.K Office for National Statistics, approximately 12 million samples were tested for residue by the system in the U.K. in 2022.

Market Dynamics:

Driver:

Increasing incidence of milk adulteration and contamination

Milk adulteration is becoming a widespread issue, particularly in regions with high dairy consumption. Harmful substances like starch, detergents, and synthetic chemicals are frequently found in milk, posing serious health hazards. In response, authorities are tightening regulations and enforcing more rigorous testing across production and

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distribution channels. This shift is driving demand for comprehensive safety assessments, including pathogen and residue detection. Dairy companies are increasingly adopting advanced testing systems to meet compliance and build consumer confidence. As public concern grows, testing is transitioning from a reactive safeguard to a proactive quality control measure.

Restraint:

Lack of skilled professionals for dairy testing

The industry continues to struggle with a lack of qualified personnel capable of handling complex dairy testing procedures. In many developing areas, technical training and education in food safety remain limited. Small producers often lack the expertise to implement standardized testing, resulting in inconsistent product quality. The shortage of skilled workers also affects the accuracy and reliability of test results, particularly in microbiological and chemical analysis. This talent gap slows down the expansion of testing services and complicates regulatory adherence.

Opportunity:

Growing awareness about nutritional quality

Health-conscious consumers are placing greater emphasis on the nutritional content of dairy products. As a result, testing for nutrient composition and label accuracy is becoming a key priority for manufacturers. Urban populations and younger buyers are especially drawn to clean-label, protein-rich, and fortified dairy options. Regulatory agencies are pushing for clearer labeling, prompting producers to validate their nutritional claims through precise testing. The emergence of functional dairy products further amplifies the need for robust nutrient analysis. This growing awareness positions dairy testing as a strategic tool for product credibility and market differentiation.

Threat:

Fluctuations in raw milk supply affecting testing demand

Seasonal variations, feed shortages, and climate-related disruptions often lead to unpredictable milk yields, impacting the volume of products entering the testing pipeline. When supply dips, processors may reduce production or delay quality checks, leading to uneven testing cycles. This inconsistency hampers laboratory efficiency and

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complicates resource planning for testing providers. Smaller dairies are particularly vulnerable, as they lack buffer capacity to maintain steady operations during supply shocks. As a result, fluctuating raw milk supply undermines the stability of testing demand and creates operational inefficiencies across the value chain.

Covid-19 Impact:

The pandemic caused major disruptions in dairy logistics, reduced demand from hospitality sectors, and led to workforce shortages. Restrictions on movement delayed sample collection and lab testing, affecting overall efficiency. At the same time, consumer preference shifted toward packaged and safer dairy products, increasing the need for stringent testing. Laboratories responded by adopting digital platforms and remote monitoring tools to maintain operations. Online retail and traceability systems gained traction, allowing buyers to verify product safety.

The pathogen testing segment is expected to be the largest during the forecast period

The pathogen testing segment is expected to account for the largest market share during the forecast period, due to the need for advanced pathogen testing in dairy products. Regulatory pressure is pushing the industry toward faster, more precise tools like biosensors, ELISA, and PCR-based methods. Innovations such as lab-on-chip systems, automated workflows, and real-time monitoring are gaining traction. Government-led milk safety programs are also boosting early detection efforts. Collectively, these developments are making pathogen screening essential for ensuring dairy integrity and safeguarding public health.

The independent laboratories segment is expected to have the highest CAGR during the forecast period

Over the forecast period, the independent laboratories segment is predicted to witness the highest growth rate, driven by the need for impartial, high-accuracy analysis amid growing regulatory demands and contamination concerns. Dairy producers are turning to third-party labs for certified, dependable results. These facilities are integrating cutting-edge tools like ELISA, biosensors, and microfluidic systems to enhance speed and precision. Trends such as digital automation, data-driven insights, and remote sample collection are gaining momentum. With reduced public testing, industry trust is shifting toward accredited private labs for compliance and safety.

Region with largest share:

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During the forecast period, the Asia Pacific region is expected to hold the largest market share, owing to growing dairy consumption, stricter safety regulations, and increasing public health concerns. Advanced technologies such as biosensors, ELISA, and PCR-based tools are being widely adopted for faster, more accurate diagnostics. Trends like AI-enabled monitoring, automated workflows, and remote sample collection are reshaping testing practices. Developments like regulatory reforms, lab expansions, and strategic collaborations are positioning both private and institutional labs as essential players in safeguarding dairy quality across the region.

Region with highest CAGR:

Over the forecast period, the North America region is anticipated to exhibit the highest CAGR, due to heightened safety concerns, recurring contamination cases, and stricter regulatory frameworks. With federal milk surveillance programs scaled back, reliance on certified independent labs has surged. Cutting-edge technologies like biosensors, ELISA, and PCR are being deployed for rapid detection of pathogens and toxins. Key trends include real-time monitoring, automated systems, and microfluidic platforms. Recent developments such as lab expansions, strategic alliances, and advanced analytics are solidifying testing as a vital element of dairy quality assurance.

Key players in the market

Some of the key players in Dairy Testing Market include Eurofins Scientific, Agilent Technologies, Inc., SGS S.A., Bio-Rad Laboratories, Inc., Intertek Group plc, Charm Sciences, Inc., Bureau Veritas S.A., Thermo Fisher Scientific Inc., Merieux NutriSciences Corporation, TUV NORD GROUP, ALS Limited, TUV SUD, Neogen Corporation, Romer Labs Division Holding GmbH, and AsureQuality.

Key Developments:

In July 2025, Thermo Fisher Scientific Inc. announced an expansion of their strategic partnership with Sanofi to enable additional U.S. drug product manufacturing. Under the agreement, Thermo Fisher will acquire Sanofi’s steriles manufacturing site in Ridgefield, New Jersey and will continue to manufacture a portfolio of therapies for Sanofi.

In June 2025, Intertek has acquired an Automated Breathing Metabolic Simulator (ABMS) from ATOR Labs to further expand its respirator testing capabilities. One of

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only nine such systems in use globally, this cutting-edge technology empowers Intertek to deliver high-precision testing, accelerated development cycles, and streamlined compliance with global standards to respirator manufacturers, solidifying its leadership in respiratory protective device (RPD) testing.

In April 2025, Agilent Technologies Inc. announced its participation at the American Association for Cancer Research (AACR) Annual Meeting in Chicago, Illinois. Innovative Agilent products and partnerships playing a crucial role in transforming cancer research, diagnostics.

Test Types Covered:

- Safety Testing
- Quality Testing

Product Types Covered:

- Milk & Milk Powder
- Cheese
- Butter & Spreads
- Ice Cream & Desserts
- Yogurt & Fermented Products
- Milk-Based Infant Formula
- Other Product Types

Technologies Covered:

- Conventional Methods
- Rapid Testing Methods

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End Users Covered:

- Dairy Processing Plants
- Food & Beverage Manufacturers
- Independent Laboratories
- Research & Academic Institutions
- Regulatory Bodies
- Other End Users

Regions Covered:

- North America
  - US
  - Canada
  - Mexico
- Europe
  - Germany
  - UK
  - Italy
  - France
  - Spain

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- Rest of Europe
- Asia Pacific
  - Japan
  - China
  - India
  - Australia
  - New Zealand
  - South Korea
  - Rest of Asia Pacific
- South America
  - Argentina
  - Brazil
  - Chile
  - Rest of South America
- Middle East & Africa
  - Saudi Arabia
  - UAE
  - Qatar
  - South Africa
  - Rest of Middle East & Africa

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What our report offers:
- Market share assessments for the regional and country-level segments
- Strategic recommendations for the new entrants
- Covers Market data for the years 2024, 2025, 2026, 2028, and 2032
- Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)
- Strategic recommendations in key business segments based on the market estimations
- Competitive landscaping mapping the key common trends
- Company profiling with detailed strategies, financials, and recent developments
- Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

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Note: Tables for North America, Europe, APAC, South America, and Middle East & Africa Regions are also represented in the same manner as above.

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