

Seqlo Strengthens Food Safety with Rapid Molecular Diagnostics

25 September 2026 | News

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Seqlo by DSS Imagetech, a market leader in advanced molecular diagnostics, bridges a critical gap in the food industry by empowering food brands to step up their credibility and compliance and earn consumer trust with its advanced, real-time PCR testing kits.

The company's modern, real-time PCR-based testing kits offer highly specific, sensitive, rapid and reliable results compared to traditional culture/ELISA-based methods, offering laboratories and producers real-time molecular detection and quantification in food, environmental, and biological samples. Seqlo's real-time PCR (qPCR) kits enable laboratories and manufacturers to test for and detect food allergens, food pathogens, animal species and GMO screening, and DNA extraction in the food and dairy Industries.

This enables restaurants, milk dairies and food manufacturers to make lifesaving decisions in real time all along the supply chain from sourcing, processing, and manufacturing to distribution, making these testing kits mandatory, especially when festive rush leads to high consumer footfalls.

"Conventional food testing methods sometimes create delays in identifying potential risks, which can become hazardous when food is consumed in large quantities during festive gatherings. Advanced molecular technologies deliver accurate and actionable results within a few hours, enabling food businesses and laboratories to make timely life-saving decisions. The kits help them to respond faster and strengthen quality-control processes, supporting greater confidence of consumers in their products," said Dr. Karn Pratap Singh, Senior Scientist, R&D Centre, DSS Imagetech.

Seqlo's pathogen detection solutions identify targets across milk and milk products, raw and processed foods and meat. At the same time, its allergen testing range covers milk, egg, gluten, soya, peanuts, sesame and crustaceans. Species detection solutions support the identification of animal species in products such as milk and meat, while GMO testing helps

screen for genetically modified crop sequences.