

BIO CONTROL DEVELOPS EIGHT HOUR DNA TEST FOR E. COLI 0157:H7

by:

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Biocontrol Systems Incorporated has developed a revolutionary new solution for pathogen detection. The Assurance GDS (Genetic Detection System) merged the most recent findings and advancement in Molecular Technology and Food Microbiology to give faster results with the increased accuracy needed to meet modern food and environmental testing challenges.

A key difference of The Assurance GDS System is its turnaround time. The Assurance GDS for E. coli 0157:H7 has been designed to provide results in a single, 8-hour shift. "With the prevalence of tent and hold, particularly in the beef industry, faster results have become necessity" states Geoff Bright, a microbiologist. The financial tent results can be significant, particularly with a perishable product.

Aside from faster results, Assurance GDS offers greater accuracy in the form of multiple layers of specificity. Mr. Bright concluded that "another advantage of Assurance GDS has over other pathogen detection system - is its unique design that includes three levels of specificity". These includes the Immunomagnetic Separation (IMS), high specific primers and a patented probe system which ensures the highest degree of accuracy.

Completing the system is the Assurance GDS Rotor-Gene an innovative multi-channel rotary cycles for the amplification and detection of the target, it can read multiple distinct targets thereby eliminating the need melt curves which can be difficult and time consuming to interpret.

References:

www.biocontrolkeys.com

<https://www.sigmaaldrich.com/PH/en/technical-documents/technical-article/microbiological-testing/pathogen-and-spoilage-testing/assurance-gds-genetic-detection>