

## Assurance® GDS Genetic Detection System

### KEY ADVANTAGES OF ASSURANCE GDS

#### PickPen IMS

Assurance® GDS utilizes the isolation capabilities of Immunomagnetic Separation (IMS) together with the specificity of DNA-based detection to provide accurate results.

- Separates target pathogens from inhibitory background materials, ensuring valid PCR reactions for all sample types
- Concentrates target pathogens, improving assay sensitivity, unlike other methods using sensitivity compromising dilution protocols

#### Fast Time to Results

Assurance® GDS offers a faster time to result over non-PCR methods which is effective in controlling the bottom line and minimizing risk to products.

- Same day results available for *Salmonella*, *E. coli* O157:H7 and Top STEC
- Next day results available for *Listeria* spp., *L. monocytogenes* and *Cronobacter*

#### Harmonized Enrichments

Assurance® GDS assays use harmonized enrichments between different assays and other BioControl® methods (i.e. VIP® Gold) to save time and labor while lowering costs.

- Test the same mEHEC enriched sample for *Salmonella*, *E. coli* O157:H7 and Top STEC
- Screen samples with VIP® Gold, if positive, run the same enrichment on GDS for a genetic confirmation

#### Modular Automation

Assurance® GDS utilizes the industry's only modular, scalable automation which can be customized to fit lab testing needs.

- Reduces labor, allowing skilled technicians to focus on additional lab operations
- Automate all or just a part of the Assurance® GDS protocol, as workload or budget allows
- Simple and precise, helping to minimize human touch points

#### Validations on Multiple Matrices

Assurance® GDS has undertaken extensive 3rd party validations for a wide array of both food and environmental samples.

- Assays are approved by AOAC International, AFNOR, MicroVal, NordVal and Health Canada



To place an order or receive technical assistance in the U.S. and Canada, call toll-free 1-800-245-0113  
For other countries across Europe and the world, please visit: [sigmaaldrich.com](http://sigmaaldrich.com)

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