

Listeria monocytogenes is an opportunistic foodborne pathogen that can affect a wide range of food products and can cause severe infections with high mortality rate to the elderly, immunodepressed persons and pregnant women. Since *L. monocytogenes* has the ability to grow slowly at refrigerated temperatures, it is a major concern for food companies. Some rare cases of listeriosis related to other *Listeria* spp. have also been reported.

According to MLG 8 and ISO 11290, detection of *Listeria* is based on a two steps procedure consisting of detection/ isolation followed by confirmation.

Conventional confirmation methods used for *Listeria* spp. identification are based on biochemical tests performed from isolated colonies. These methods results are typically obtained within 24 hours and might be ambiguous.

GeneDisc System Benefits

Rapid — Accelerate your control workflow. Result for colony confirmation is obtained in less than 1 hour.

Easy to use — GeneDisc solutions are designed for routine use. Implementing PCR (Polymerase Chain Reaction) has never been this easy.

A Solution Designed For Food Industries

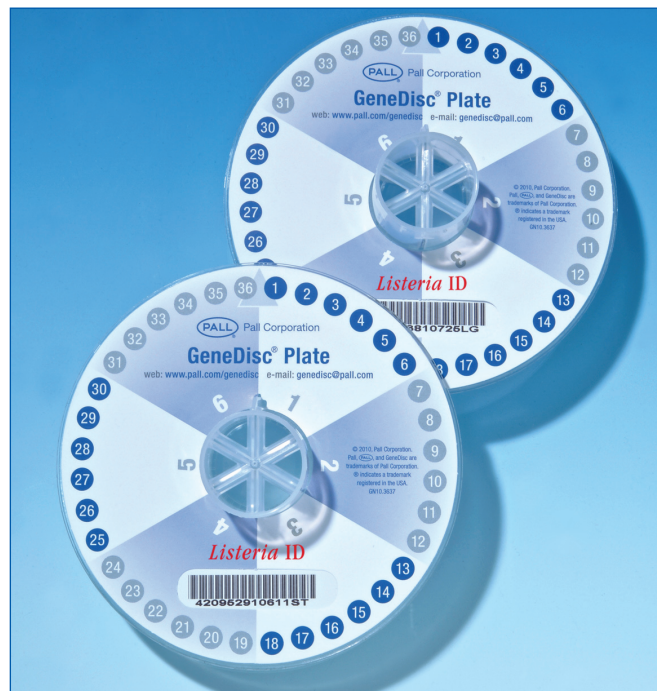
Easy to read — The GeneDisc *Listeria* ID method allows a clear discrimination amongst the 6 *Listeria* spp. from isolated colonies on agar plates.

Flexible — Designed for use with the main *Listeria* specific agars and chromogenic media.

Reliable — AOAC certified method

GeneDisc® Technologies

For an easy, rapid and reliable identification of *Listeria* species

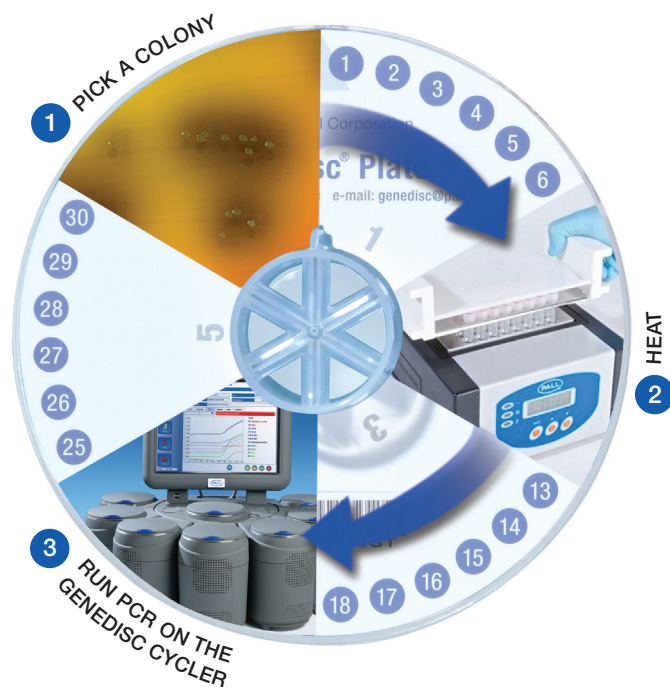


Listeria spp. Identification

Bacteria	Gram + bacilli
Species List	<i>L. monocytogenes</i> <i>L. grayi</i> <i>L. seeligeri</i> <i>L. innocua</i> <i>L. ivanovii</i> <i>L. welshimeri</i>
Major Human Pathogen	<i>L. monocytogenes</i>



From Colony To Result In As Fast As One Hour



Technical Information

Sample Preparation Time	< 15 minutes
PCR Cycle Time	< 45 minutes
Total Turnaround Time	< 1 hour
Specificity	Wide range of strains tested for inclusivity and exclusivity
Internal Positive Control Per Sample Analysis	Detects presence of inhibitors in DNA extract sample
Validation	AOAC approved for colony confirmation from all major enrichment media



Pall Corporation

Pall GeneDisc Technologies

25 Harbor Park Drive
Port Washington, NY 11050
+1 516 484 3600 telephone
+1 866 905 7255 toll free US

genedisc@pall.com

Ordering Information

Part Number	Description	Samples/pack
Equipment		
EGDUL1A230 (EU)	GeneDisc Ultra-Lyser	-
EGDUL1A120 (US)		
EGDCV3A	GeneDisc Cyclor Base Unit	-
EGDSV3A	GeneDisc Cyclor Sub Unit	-
Consumables		
PFOOD1100	Extraction Pack Food 1	100
GLISTID106006	GeneDisc <i>Listeria</i> ID	36

We also offer a full product range for pathogen detection in food and water and for spoilage organisms in beverage.

Quantitative tests for pathogens in water (*Legionella*, *E. coli*, *Enterococcus*...) are also available.

For more information including part numbers please contact us.

Further Readings

- Poster: Desroche, N. *et al.*, Evaluation of the performances of the GeneDisc ID *Listeria* real-time PCR assay for the rapid identification of *Listeria* species.
- Poster: Crowley, E.S. *et al.* A Comparative Evaluation of the GeneDisc® Plate *Listeria* Identification Kit for the Identification and Discrimination of *Listeria* species. IAFP, Rhodes-Island, 2012.

Visit us on the Web at www.pall.com/genedisc

International Offices

Pall Corporation has offices and plants throughout the world in locations such as: Argentina, Australia, Austria, Belgium, Brazil, Canada, China, France, Germany, India, Indonesia, Ireland, Italy, Japan, Korea, Malaysia, Mexico, the Netherlands, New Zealand, Norway, Poland, Puerto Rico, Russia, Singapore, South Africa, Spain, Sweden, Switzerland, Taiwan, Thailand, the United Kingdom, the United States, and Venezuela. Distributors in all major industrial areas of the world. To locate the Pall office or distributor nearest you, visit www.pall.com/contact.

The information provided in this literature was reviewed for accuracy at the time of publication. Product data may be subject to change without notice. For current information consult your local Pall distributor or contact Pall directly.

© 2014, Pall Corporation. Pall, (PALL), and GeneDisc are trademarks of Pall Corporation. ® indicates a trademark registered in the USA and TM indicates a common law trademark. **Filtration.Separation.Solution.sm** is a service mark of Pall Corporation.

Filtration. Separation. Solution.sm

FBDSGDLSPPEN

March 2014