

TECRA®

LISTERIA VISUAL IMMUNOASSAY

A rapid and specific screening test for the detection of *Listeria spp.* in food and environmental samples

Why test your product and production environment for Listeria?

- ♦ *Listeria spp.* occur in a range of different environments and can be found as contaminants in a wide variety of foods including meat products, poultry, egg products, cheese, milk, ice cream and other dairy products, frozen and processed seafood, confectionery, vegetables, and fruit.
- ♦ *Listeria monocytogenes* and *Listeria ivanovii* are known human pathogens. These organisms are found in the food manufacturing environment where product cross-contamination, before and following processing, has been reported.
- ♦ The ubiquitous nature of *Listeria spp.* also means that they are important indicator organisms for plant hygiene.
- ♦ Listeria is recognised by food safety regulators as one of the most important contaminants of food. Consequently, some government regulators require environmental and end product testing for Listeria in the food industry.
- ♦ Listeria has been the cause of a large number of food-poisoning outbreaks leading to major product recalls. Illness, and in some cases death, has resulted from these outbreaks. *L. monocytogenes* is of particular concern for pregnant women because it can cause abortion or still birth. This food-borne pathogen can also lead to meningitis and brain damage.
- ♦ The TECRA Listeria Visual Immunoassay (VIA™) method makes testing for Listeria fast, simple, accurate, reliable and economical.



New AOAC Approved Enrichment Protocols

Why use Listeria VIA?

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| <p><input checked="" type="checkbox"/> Fast</p> <ul style="list-style-type: none"> ♦ You can screen out negative samples within 48 hours. No need to wait up to 6 days, as with conventional methods. ♦ Rapid results ensure inventory can be released earlier, reducing holding costs. | <p><input checked="" type="checkbox"/> Simple and Convenient</p> <ul style="list-style-type: none"> ♦ All reagents provided. ♦ Easy-to-read results. ♦ The TECRA ENVIROSWAB™ ensures optimal recovery and results for environmental samples when used with the kit. |
| <p><input checked="" type="checkbox"/> Added Confidence</p> <ul style="list-style-type: none"> ♦ TECRA Listeria VIA™ will detect <i>L. monocytogenes</i> and <i>L. ivanovii</i>, the two known Listeria human pathogens. ♦ Note: <i>L. monocytogenes</i> specific tests will not detect <i>L. ivanovii</i>. | <p><input checked="" type="checkbox"/> Accurate & Reliable</p> <ul style="list-style-type: none"> ♦ High affinity TECRA antibodies give results in which you can have confidence.
Sensitivity : 1-5 cfu/25 gram sample
Specificity : >99% ♦ New enrichment protocols for all foods are available using a specially formulated TECRA Listeria enrichment broth, designed to improve the recovery of sublethally damaged cells. |

✓ Proven Performance

- ◆ Comparative studies show performance that is equivalent to standard cultural methods.
- ◆ Comprehensive list of approvals, including:
 - AOAC (Association of Official Analytical Chemists, USA) - Method No. 995.22
 - AOAC Method 2002.09 - New enrichment procedures
 - DPIE (Department of Primary Industry & Energy, Australia)/AQIS (Australian Quarantine and Inspection Service)
 - VDIA (Victorian Dairy Industry Authority)
 - MAF (Ministry of Agriculture and Fisheries, New Zealand) approved for fish and environmental samples
 - NSWDC (New South Wales Dairy Corporation)
 - NZDB (New Zealand Dairy Board) - Approval No. 95-12-01
 - MAB (Ministry of Agriculture, Brazil)

✓ Economical

- ◆ The simplicity of the TECRA Listeria VIA™ method frees up laboratory time for other tasks and projects. More can be accomplished with the same labor.

✓ Flexible

- ◆ Recommended for a wide range of food and environmental samples.
- ◆ Depending on your specific needs, the kit can be used manually or automated for large scale testing.

✓ Customer Support & Training

- ◆ You can rely on the extensive technical, training and sales support from TECRA staff and also through TECRA's global network of distributors.

Materials Required (not included in the kit):

- ◆ Enrichment media
- ◆ Serological pipettes: 1mL
- ◆ Pipettes: 20µL, 50µL and 200µL
- ◆ Pipette tips
- ◆ Incubators: 30°C and 35-37°C
- ◆ Screw cap bottles or tubes
- ◆ Boiling water bath or equivalent (100°C)
- ◆ Plastic squeeze bottle: 500mL
- ◆ Plastic cling wrap film

Product Information

TECRA Product Code	No. of Wells	Max. No. of Tests	Min. No. of Tests
LISVIA48	48	46	1
LISVIA96	96	94	1

TECRA Products Recommended* for use with the Listeria VIA™

	TECRA Product Code	Pack Size	Sufficient for:
TECRA Listeria Enrichment Broth	TLEMED500	500g	10.4 litres of medium
**TECRA Listeria Enrichment Broth Base	TLE(B)MED500	500g	10.4 litres of medium
**TECRA Listeria Selective Supplement	TLESUP010	10 vials	5.0 litres of medium
TECRA ENVIROSWAB™	ENVSWB25	25 swabs	25 tests

* TECRA recommends the use of TECRA media because it has been specially developed to maximise the performance of TECRA's range of diagnostic kits and methods.

** Use where delayed addition of selective agents is required.



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TECRA®
Excellence in Rapid Testing