



Is Your Pork Clean?

Trichin-L Antigen Test Kit

- **Reliable method**
- **Reduce your costs of analysis**
- **Speed up your meat delivery process**
- **Easy reading and interpretation of results - no microscopy**

Zoonosis control and surveillance: Bio-Rad's innovative solutions

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Trichin-L for Control Measures

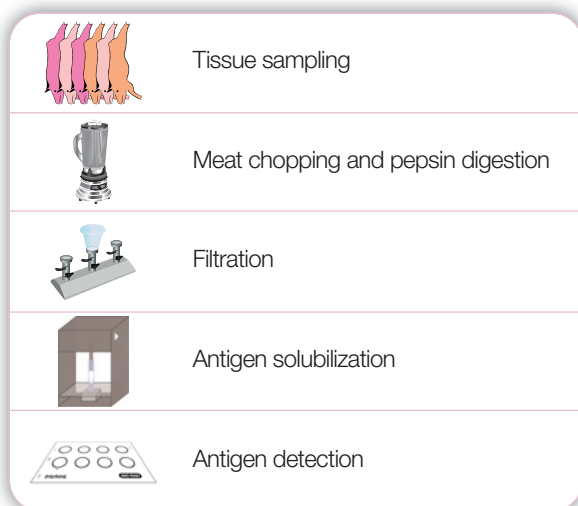
Trichinellosis

Trichinellosis is a zoonotic disease caused by nematodes of the genus *Trichinella*. Domestic pigs are the primary source of infection, but *Trichinella* can also be found in other animal species (wild boars, horses, foxes, bears, wolves, etc.).

In humans, it is mainly caused by the ingestion of poorly cooked meat infected with *Trichinella*. The most widely used method for *Trichinella* inspection is the digestion method. This involves direct observation of parasite larvae under the microscope after the digestion of pooled meat with pepsin. The new *Trichin-L* method provides direct detection of *Trichinella* antigens in pork.

Protocol

Trichin-L is a pepsin digestion-based method with a simplified assay protocol. It involves sample digestion with pepsin followed by purification and immuno-detection of larvae antigens.



Reliable method

Excellent results were obtained during the multicenter evaluation of the *Trichin-L* method organized by the *Trichinella* CRL in 2010.

The test correctly detected:

- 100% of the samples spiked with 15 larvae
- 100% of the samples spiked with 6 larvae
- 100% of the samples spiked with 3 larvae

Undigested material after pepsin digestion (average = 1.7 g) remained within acceptable range [0 - < 5.0 g].

The method obtained 100% specificity in other evaluations performed by independent laboratories.

The method will be soon listed in the new amendment to Commission Regulation (EC) 2075/2005.

Reduce your cost of analysis

With its simplified assay protocol, the *Trichin-L* method requires less technician handwork.

External comparative evaluations¹ have shown that at least 10 minutes of technician handwork can be saved for every sample pool tested.

¹ *Trichin-L* comparison with the officially approved digestion method.

Speed up your meat delivery process

Optimized pool testing procedures allow one technician running the *Trichin-L* method to give the first 6 sample results in just 50 minutes. Six more sample results are obtained every 10 minutes. This will allow for a quicker release of pork, reducing storage costs.

Easier reading and result interpretation

With infected samples, *Trichinella* antigens are agglutinated by latex beads coated with a highly specific monoclonal antibody. Reading the agglutination card does not require a microscope or highly trained technicians. Interpretation of results is easy since *Trichinella*-specific MAb-Ag complexes are directly compared to negative & positive controls included with every sample run.

Ordering information

Catalog #	Description
357-2120	<i>Trichin-L</i> Antigen Test Kit (80 tests)

For surveillance programs in countries or production areas with low Trichinella prevalence or Trichinella-free status, Bio-Rad also proposes its Trichinella spiralis Antibody Test Kits, Ref.: 357-2139/357-2140.

Please contact your local Bio-Rad representative for further information.

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