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# Worming Trichinella out of pigs. **PrioCHECK® TRICHINELLA Ab**



RELIABLE, EFFICIENT AND CONVENIENT ELISA FOR  
MONITORING, SURVEILLANCE AND CERTIFICATION PURPOSES.

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# PrioCHECK® Trichinella Ab

## RELY ON PrioCHECK®

### TRICHINELLOSIS

Trichinellosis is a zoonotic disease which occurs worldwide and is caused by the larvae of the nematode *Trichinella*. The roundworm *Trichinella* spp. infects many carnivorous and omnivorous animal species, including domestic pigs. Currently eight species and six genotypes have been recognized in this genus. The species that are of main importance in Europe are *Trichinella spiralis*, *Trichinella britovi*, *Trichinella pseudospiralis* and *Trichinella nativa*. Humans can be infected by eating raw or insufficiently cooked meat. Each year human cases are reported.

Under the European Commission Directive (EC) No. 2075/2005 all pigs slaughtered for human consumption have to be tested for Trichinellosis by artificial digestion. However, the regulation allows the number of pigs tested to be reduced for holdings and areas that are certified as *Trichinella*-free or as having a negligible risk. A serological test may be used for this purpose.

Prionics offers the PrioCHECK® *Trichinella* Ab which is a highly sensitive and specific ELISA for detection of antibodies against excretory/secretory (E/S) antigens of *Trichinella* spp. in serum and meat juice samples of pigs.

### WHAT ARE THE BENEFITS OF THE PrioCHECK® TRICHINELLA Ab?

#### Reliable

The PrioCHECK® *Trichinella* Ab is highly sensitive and specific, no cross-reactivity with other commonly found pig parasites has been observed. The PrioCHECK® *Trichinella* Ab produces unambiguous results. Results are either positive or negative, the test does not use a grey zone. Positive and negative samples are clearly separated. Moreover, the result interpretation is objective and results are documented electronically.

#### Efficient

PrioCHECK® *Trichinella* Ab is a valuable tool for monitoring, surveillance and certification purposes. The implementation of a certification program, leads to reduction of the overall production costs while at the same time showing that the farm management is on a high level and thereby increases the competitive advantage for the producer.

#### Convenient

The PrioCHECK® *Trichinella* Ab is easy to use and is conveniently automatable on a robotic system. The use of coloured buffers reduces handling errors.

The PrioCHECK® *Trichinella* Ab follows a short, four step protocol, making the test fast: 90 prepared samples can be analyzed within 90 min.

Together this makes the PrioCHECK® *Trichinella* Ab an excellent tool for risk-based surveillance of *Trichinella* infections in pigs.

### SENSITIVE AND SPECIFIC DETECTION OF TRICHINELLA

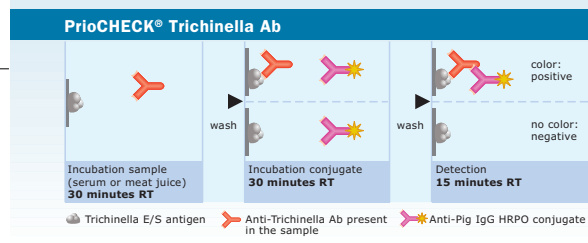
The PrioCHECK® *Trichinella* Ab showed a sensitivity and specificity of 100% in the in-house validation study, using *Trichinella* negative and *Trichinella* positive serum samples from pigs. The diagnostic status of all used samples was confirmed by an E/S ELISA of a national reference laboratory in the European Union. No cross-reactivity with other commonly found pig parasites such as *Ascaris*, *Trichuris*, *Hyostrogylus* and *Strongyloides* was observed.

The test is valued as highly sensitive, specific and easy-to-use by various national reference laboratories.

### CONTACT INFORMATION

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#### PrioCHECK® Trichinella Ab

Prod. No. 7610150 5 strip plate kit (450 tests)