



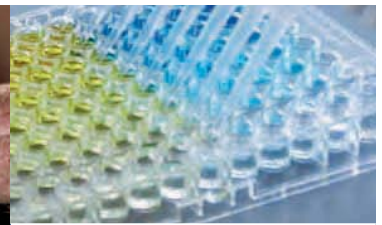
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Safeguarding human and animal health. **PrioCHECK® TOXOPLASMA AB PORCINE**



**A RELIABLE, EFFICIENT, CONVENIENT AND COST-EFFECTIVE TEST
FOR THE DETECTION OF *TOXOPLASMA GONDII* ANTIBODIES IN PIGS.
AN EXCELLENT TOOL FOR MONITORING AND SURVEILLANCE OF
TOXOPLASMA INFECTIONS IN PIGS**

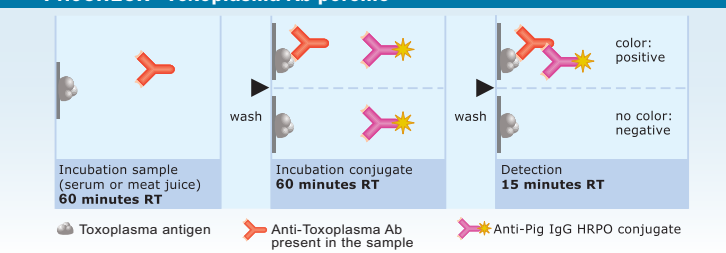
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PrioCHECK® Toxoplasma Ab porcine

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PrioCHECK® Toxoplasma Ab porcine
Prod. No. 7610230 5 strip plate kit (450 samples)

TOXOPLASMOSIS

Toxoplasmosis is caused by the protozoan parasite *Toxoplasma gondii*, which belongs to the family of Sarcocystidae. Toxoplasma infections are widespread in humans and many other species of warm-blooded animals, including pigs. Occurrence is world wide, however, the prevalence varies greatly among countries and depends on animal husbandry conditions. Infections occur as a result of consuming raw or undercooked meat which contain tissue cysts, and tachyzoites, or by food or water contaminated with oocysts. *Toxoplasma* infected pork is considered to be an important source for human infection.

Clinical disease in pigs is uncommon. However, an infection during the early stages of pregnancy (first 6-8 weeks) can cause an abortion. In humans, *Toxoplasma* infections are also mostly asymptomatic. Clinical signs are mostly known to appear in immunosuppressed individuals, where an infection can cause severe neurological disease. Recent studies have shown, however, that immune competent people may develop clinical toxoplasmosis more frequently than previously thought. The Panel of Biological Hazards considers toxoplasmosis to be an under-detected and under-reported disease in the European Union¹.

The PrioCHECK® Toxoplasma Ab porcine is a reliable and efficient diagnostic test for the detection of antibodies against *Toxoplasma gondii* in porcine serum, plasma and meat juice samples and can be used for monitoring and surveillance purposes.

BENEFITS OF THE PrioCHECK® TOXOPLASMA AB PORCINE

Reliability

The PrioCHECK® Toxoplasma Ab porcine is highly sensitive and specific. The test provides a clear differentiation between positive and negative results. The obtained results therefore form a reliable basis for the implementation of measurements to decrease the presence of *Toxoplasma* in pig herds.

Efficient

The PrioCHECK® Toxoplasma Ab porcine follows a short four step ELISA protocol – 90 prepared samples can be analyzed within 150 minutes.

Convenience

The PrioCHECK® Toxoplasma Ab porcine is easy to use. Serum, plasma and meat juice samples can be tested for the presence of antibodies directed against *Toxoplasma gondii*. The kit contains coloured buffers, helping to reduce handling errors.

Cost-effectiveness

The same sample used in the PrioCHECK® Toxoplasma Ab porcine can be also tested with other PrioCHECK® diagnostic products for various other pig diseases including *Trichinella* and *Salmonella* infections. This makes the test an excellent and valuable tool for porcine food safety programs.

SENSITIVE AND SPECIFIC DETECTION OF TOXOPLASMA INFECTIONS IN PIGS

The PrioCHECK® Toxoplasma Ab porcine showed a sensitivity of 98% and specificity of 99.6% in an evaluation on 50 positive and 270 negative porcine serum samples. With meat juice samples (33 positive and 116 negative) the sensitivity and specificity were 97% and 100%, respectively. The status of all samples was confirmed by IFAT, WB and ELISA in national reference laboratories.

CONTACT INFORMATION

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References:

1) The EFSA Journal (2007) 583, 1-64