Toxoplasmosis is a disease caused by a parasite called Toxoplasma gondii. The parasite mostly infects warm-blooded animals including humans. The primary hosts are the cats they carry the virus and can possibly infect other animals. Pigs can get infected by eating contaminated water and food with cat feces, or by eating other contaminated dead pigs’ ears, tails, or by eating infected rodents or other uncooked meat. Once the parasites invade the pigs’ organisms it will form cysts in muscles and other organs where they remain viable for long periods of time. The parasites will mature and eventually it can be a source to infect human. The presence of the parasites in pigs rarely results in clinical disease unless infection occurs in pregnant pigs which can lead to SMEDI (stillbirth, mummification, embryonic death and infertility).

If a human eats pig meat infected with Toxoplasma gondii, it will show two stages; acute and latent. During acute toxoplasmosis will include the following symptoms; swollen lymph nodes and muscle aches. Latent toxoplasmosis is the time where bradyzoites will form cysts in nervous and muscle tissue. Toxoplasmosis parasite can also trigger schizophrenia, bipolar disorders, Parkinson’s Disease, Tourette’s syndrome and ADD (attention deficit disorders).

Alpha Diagnostic Intl's Porcine Toxoplasmosis IgG Antibody Test kit is a highly sensitive indirect type assay for the measurement of Toxoplasmosis antibodies in swine serum. For in vitro research use only.

**Porcine Toxoplasmosis IgG Antibody ELISA Kit Features**

- Antigen Pre-coated, stabilized, ready-to-use 96-well strip plate, suitable for multiple runs up to 6 months.
- Convenient Positive and Negative serum Standards, a reference control for QC.
- 100ul samples
- 100 minutes, 3 incubation steps
- Contains all necessary reagents.

This kit is for detection Toxoplasmosis antibodies in swine serum. For in vitro research use only.

**Assay Procedure:** Allow all reagents to reach room temperature. Arrange and label required number of strips.

**Step 1.** Pipet 100 ul of each pre-diluted positive serum, pre-diluted negative, control (containing only sample diluent), samples containing Toxoplasmosis antibodies (diluted as required) in duplicated wells. Mix gently and incubate at 37°C for 30 min.

**Step 2.** Aspirate and wash the plate three times. Add 100ul of enzyme conjugate to all wells, mix gently and incubate at 37°C for 30 min.

**Step 3.** Aspirate and wash the plate three times. Add 50 ul of each substrate A and B solution to all wells, mix gently, and incubate in the dark at room temperature for 10 min.

**Step 4.** Pipet 50 ul of stop solution into each well and mix gently (blue color turns yellow). Measure OD at A630 nm. The samples are positive if the value is > than 0.4, skeletal if the value is between 0.2 and 0.4 and negative if < than 0.2.

**General Information**

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