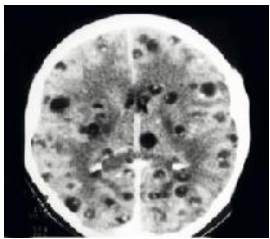


## INTRODUCTION

apDia is a young company (founded in 2008) active in the field of human *in vitro* diagnostics. We manufacture and/or sell immuno-assays (ELISA and rapid tests) with applications in microbiology, serology, parasitology, immunology or other clinical areas.

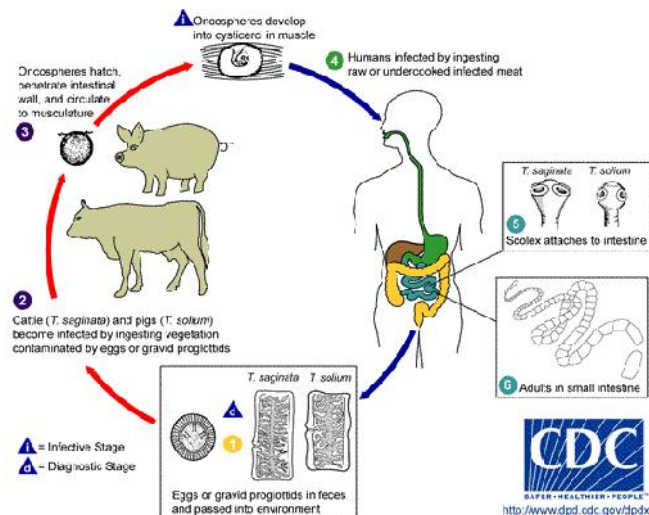
## CYSTICERCOSIS ANTIGEN ELISA



apDia has a unique product for the specific detection of viable metacestodes (cysticerci) of *Taenia* spp. in human and porcine serum samples.

Opposite to the *Taenia solium* antibody tests offered by most suppliers, our test screens for the presence of circulating cysticercosis antigen, which is an indicator for the presence of viable parasites. It does not detect degenerated or calcified cysticerci. As antigen levels correlate to the numbers and size of lesions, the ELISA can also be used as a tool for serological monitoring of antiparasitic therapy in humans and pigs<sup>2</sup>.

The apDia Cysticercosis Ag ELISA has been developed in collaboration with the Institute of Tropical Medicine (ITM) in Antwerp and is based on their proprietary monoclonal antibodies against excretory secretory products (ESP) of viable *T. saginata* cysticerci<sup>1,3,4</sup>.



## Porcine cysticercosis

For porcine cysticercosis the ELISA is genus specific, not species specific. No differentiation can be made between *T. solium*, *T. hydatigena* and *T. asiatica* infections.

Using the apDia Cysticercosis Ag ELISA it is possible to detect as low as 1 living cyst<sup>3,6</sup>.

## Human cysticercosis

For human specimens the ELISA is specific, as humans can only get cysticercosis through infection with *T. solium*. No cross reactions were observed with sera from patients with other parasitologically and/or serologically confirmed infections<sup>5</sup>.

The sensitivity of the apDia Cysticercosis Ag ELISA decreases when the number of viable cysts is low.

## Performance

Human cysticercosis:

- Diagnostic sensitivity:
  - 94 % < 3 living cysts included
  - 100 % ≥ 3 living cysts
- Analytical sensitivity: 1-3 living cysts
- Specificity: > 99,3 %

Porcine cysticercosis:

- Diagnostic sensitivity: 100 %
- Analytical sensitivity: 1 living cyst, depending on the conditions
- Specificity: 99,6 %

## REFERENCES

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Together with this newsletter you can find a reply form to request more detailed information about the product mentioned in this newsletter.



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I wish to receive:

- additional information about the CYSTICERCOSIS ANTIGEN ELISA
- a CYSTICERCOSIS ANTIGEN ELISA kit for evaluation purposes

Sales representative Belgium: Laurent Nijs

Sales representative The Netherlands: James Kessels

Please, send us this reply form by fax using the number +32 (0)14 81 29 45, by e-mail to [admin@apdia.be](mailto:admin@apdia.be) or by regular mail to apDia nv, Hertoginstraat 82, B-2300 Turnhout, Belgium.