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Authors: Michał Gondek, Justyna Bień, Zygmunt Nowakowski

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Use of ELISA and Western blot for serological detection of antibodies to E-S antigens of *Trichinella spiralis* muscle larvae in sera of swine experimentally infected with *Trichinella spiralis*

Michał Gondek^{a*}, Justyna Bień^b, Zygmunt Nowakowski^a

^a Department of Food Hygiene of Animal Origin, Faculty of Veterinary Medicine, University of Life Sciences in Lublin, Akademicka 12, 20-950 Lublin, Poland

^b The Witold Stefański Institute of Parasitology, Polish Academy of Sciences, Twarda 51/55, 00-818 Warszawa, Poland

* Corresponding author at: Department of Food Hygiene of Animal Origin, Faculty of Veterinary Medicine, University of Life Sciences in Lublin, Akademicka 12, 20-950 Lublin, Poland

Tel: +48 81 445-62-56

E-mail address: michal.gondek@up.lublin.pl (M. Gondek)

Highlights:

- Antibody response to excretory-secretory antigen of *Trichinella spiralis* muscle larvae in experimentally infected pigs was assessed
- The ELISA first detected IgG antibodies against E-S antigens of *T. spiralis* ML and hence first recognized trichinellosis as late as 30 d.p.i.
- Statistically significant rise in the level of IgG antibodies to *T. spiralis* ML E-S antigens occurred from 25 d.p.i. and maintained till the end of the experiment – 46 d.p.i.
- Western blot confirmed the presence of anti-*Trichinella* IgG antibodies in all swine serum samples evaluated as ELISA-positive
- The most frequently recognized by anti-*Trichinella* IgG antibodies were ML E-S components with molecular weights of 45, 49 and 60 kDa.

ABSTRACT

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