

ANIMAL HEALTH & VETERINARY MEDICINE

October 20-21, 2017 | Toronto, Canada

Comparison of ELISA and IPMA tests for the detection of Anti-*Lawsonia* antibodies in horses

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The objective of this study was to compare a commercially available indirect enzyme-linked immunosorbent assay (ELISA) with an immune peroxidase monolayer test (IPMA), considered to be a reference test, for the detection of antibodies against *Lawsonia intracellularis* in horses. A total of 100 serum samples were tested with both tests at three different dilutions 1:125, 1:150 and 1:175. When sera were tested at 1:125 dilutions, the sensitivity of ELISA was 90% with 94% specificity. At a dilution of 1:150, the sensitivity was 88% and specificity was 96%. At 1:175 dilutions, the sensitivity and specificity were 85% and 98%, respectively. Based on these validation results, we believe that commercially available ELISA is a useful alternative for the diagnosis of equine proliferative enteropathy.

Biography

AS H Hassenin has been working as a Professor in the Department of Animal Medicine, Faculty of Veterinary Medicine at Zagazig University, Egypt.

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