



ORIGINAL ARTICLE

The efficacy of ELISA commercial kits for the screening of equine infectious anemia virus infection

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Abstract The most used and reliable indicator of Equine infectious anemia virus (EIAV) infection is the detection of its specific antibodies in horse serum. In the present study, the performance of two commercial ELISA tests for the detection of EIAV antibodies as well as the potential advantages of their use as an EIAV infection screening tool were evaluated in 302 horse serum samples. Both ELISA assays showed 100% diagnostic sensitivity, and 92.3–94.3% diagnostic specificity. Discordant results were analyzed by immunoblot. The results showed that both ELISA tests are very efficient at detecting EIAV infected animals, allowing to identify a higher number of positive horse cases. Thus, ELISA assays can be useful tools in EIA control and eradication.

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PALABRAS CLAVE

Elisa;
Virus de la anemia
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Diagnóstico

Eficacia de ensayos de ELISA comerciales para el *screening* de infección por el virus de la anemia infecciosa equina

Resumen El mejor indicador de la infección por el virus de la anemia infecciosa equina (*Equine infectious anemia virus*, EIAV) es la detección de anticuerpos específicos en el suero del caballo. En el presente trabajo se evaluó la capacidad de detección de anticuerpos contra EIAV de dos equipos de ELISA comerciales utilizando 302 muestras de suero equino, así como las ventajas potenciales de su uso como herramientas de *screening*. Ambos ensayos de ELISA presentaron 100% de sensibilidad diagnóstica y una especificidad diagnóstica del orden de 92,3 a 94,3%.

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