

# **DISTRIBUTION OF TOXOPLASMOSIS OF CATTLE IN UKRAINE**

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*The results of investigations of blood serum of cattle in some regions of Ukraine with the aim for detection antibodies to the agent Toxoplasma gondii are presented.*

***Cattle, Toxoplasmosis, ELISA, serums of blood.***

Toxoplasmosis is one of the most common protozoan diseases of animals and humans. It is caused by parasite, unicellular organism *Toxoplasma gondii*. In particular, the Spanish researchers found 23% were positively reacting to *T. gondii* agent among pigs, 44% of sheep, 43% of goats and 8% cows. 14.6% of cattle are infected by *Toxoplasma* in Poland.

Investigations were conducted during 2013-2014 years in the farms of Kyiv, Lviv, Zhytomyr and Khmelnytsky regions. In total, the experiments were used serum of 72 animals of both sexes aged from three months to six years. Antibodies to *Toxoplasma* in the blood serum were recorded using kits for ELISA detection of total antibodies to the agent *Toxoplasma gondii* «VektoTokso antibodies", which are manufactured by "Vector-Best" (Russian Federation).

Conclusions:

Toxoplasmosis is common in Ukraine disease of cattle. 13,89% of cattle from different farms of Kyiv, Zhytomyr, Lviv and Khmelnytsky regions of Ukraine are positively reacting to *Toxoplasma gondii* agent. There was no significant difference between of blood serum reaction to *Toxoplasma* of cattle of both sexes. Among the positively reacting antibodies to the agent were 9.09% males and 14.52% females. The highest extensiveness of Toxoplasmosis infection of cattle registered in the Kiev region (26.32%). Among animals Lviv region was found only negative research results.