

Importance of Cryptosporidiosis in Dairy Calves

Authors : Mohammad Asadpour

Abstract : Cryptosporidium spp. is zoonotic pathogens transmissible from a variety of animals to humans and is a considerable public health concern. Calves have been identified in numerous reports as a major source of environmental contamination with this pathogen. Parasite has a different species that are the cases of zoonotic disease in immunodeficient people and neonatal calves. Cryptosporidium oocysts are extremely resistant to chlorine and other physical cases that commonly used in drinking water. Reproduction of resistant oocytes is a way for this monoxenous parasite to remain in the environment. Cryptosporidium parvum is the most important species that has human and cattle genotypes. Cryptosporidium is one of the most important causes of diarrhea in neonatal calves and also, one of the four causes of diarrhea symptoms in pre-weaned calves. Because of the incompetent immune system in calves, Cryptosporidium infection is the cause of a lot of problems in raising farms.

Keywords : Cryptosporidium spp, dairy calves, importance, veterinary medicine

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