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DETECTION OF *CRYPTOSPORIDIUM* SPP. IN CALVES THROUGH NESTED PCR AND KINYOUN'S ACID-FAST METHODS IN İĞDIR, TURKEY

Fatma ERTAŞ^{1*}, Adnan AYAN²

¹*Iğdir University, Tuzluca Vocational School, Department of Medical Services and Techniques Iğdir, Turkey;*

²*Van Yüzüncü Yıl University, Faculty of Veterinary Medicine, Department of Genetics, Van, Turkey;*

*Corresponding Author Fatma ERTAŞ:e-mail: fatma.ertas@igdir.edu.tr;

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ABSTRACT

The present study was conducted to determine the prevalence of cryptosporidiosis by using Kinyoun's acid-fast and Nested PCR methods in 0-01 month aged calves in İğdir Province, Turkey. A total of 100 calves were used in this study. The calves belonging to the İğdir Provincial Directorate of Agriculture and Forestry, were diagnosed to have diarrhea on the basis of their clinical and anamnesis. In the microscopic examinations of 100 samples, 34 (34%) *Cryptosporidium* spp. were detected in Kinyoun's acid-fast whereas in the Nested PCR method it was found 38 (38%). Accordingly, attention was drawn to the necessity of complying with protective measures due to its zoonotic importance.

Keywords: *Cryptosporidium* spp., Calf diarrhea, Nested PCR, Turkey.