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Investigation of canine parainfluenza virus type 2 in dogs by immunofluorescence

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In this study nasal and conjunctival swab samples were obtained from 61 pet dogs with clinical signs of respiratory system. Swab samples (total 132) were passaged on Madin-Darby Canine Kidney (MDCK) cell cultures for three times. Cell culture supernatant obtained from last passage was tested for Canine Parainfluenza Virus Type 2 (CPIV-2) by Immunofluorescence (IF) test.

Swab samples were inoculated onto MDCK cell cultures and subjected to three passages and no CPE was observed. All cell culture supernatants were analyzed by IF test but no positive results to be determined. Although all of the samples were determined as negative, dogs showing clinical signs of respiratory system should be examined for the presence of other respiratoric viral agents.

Biography

Oya Bulut has completed her PhD from Selcuk University. She is working in Faculty of Veterinary, Selcuk University. She studied about Ebola viruses in Structural Biology Department of Biological Science, USA Purdue University. She has published papers and presentation about animal infectious diseases. She is interested about resistance genes against infectious diseases recently.

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