

# **PATHOGENIC BACTERIA AND DERMATOPHYTES CAUSING DERMATITIS IN DOGS**

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Dermatitis in dogs can be caused by several infectious pathogenic agents as bacterias, dermatophytes fungi and parasites. This present research was made in order to know which bacteria and dermatophytes fungi are involved in this kind of disease. All samples (secretions, skin, hairs, and scalps) were collected by veterinarian in Clinic Veterinary and sent them to laboratory procedures in the same day. The methodology used to isolate bacterias and dermatophytes, was chosen using Blood Agar (and Brain Infusion Broth for enrichment) and Agar Sabouraud with mycosel respectively. The temperature and the time used to cultivation of bacteria was 37°C (24-48 hours) and to fungi 28°C (15 days) respectively. From 38 clinic samples examined were isolated the following agents:

29 strains (76,3%) of *Staphylococcus intermedius*; 3 strains (7,89%) of *Microsporum canis*; 2 strains (5,26%) of *Staphylococcus sp.*; 2 strains (5,26%) of *Streptococcus sp.*; 1 strain (2,63%) of *Microsporum gypseum*; 1 strain (2,63%) of *Pseudomonas aeruginosa*. These results confirm *Staphylococcus intermedius* as the main bacterial agent involved in dermatitis in dogs in this region of Brazil.

**Key Words:** dog, *Staphylococcus intermedius*; dermatitis; dermatophytes.