Dermatitis in dogs can be caused by several infectious pathogenic agents as bacteria, dermatophytes fungi and parasites. This present research was made in order to know which bacteria and dermatophites 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 dermatophites, was choosen 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 37ºC (24-48 hours) and to fungi 28ºC (15 days) respectively. From 38 clinic samples examined were isolated the folowing 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 dermatites in dogs in this region of Brazil.

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