



ULTRA-VIOLET PRODUCTS

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**Application Bulletin
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APPLICATION: Ringworm detection on cats and dogs.

**WAVELENGTHS/
LAMPS USED:** Longwave 365nm/UVL-21

FIELD OF USE: Veterinary



BACKGROUND: The dermatomycoses, commonly referred to as “ringworm diseases”, are superficial diseases of the skin caused by fungi called dermatophytes. These diseases are common in domestic animals and in almost all cases there is danger of spread to man. In all of the dermatomycoses known, involvement of the hair is the chief feature of infection. Well-developed stages of ringworm in dogs and cats appear as lesions, scaly skin and dull and lusterless hair enclosed by a gray sheath of spores. Early stages are difficult to detect in normal light conditions. Longwave Ultraviolet (365nm) is useful in detecting the early stages of ringworm in dogs and cats because the fungi most likely to attack them exhibit fluorescence.

PROCEDURE: Simply illuminate the animal in question with a UVP UVL-21 lamp in a darkened room. A yellow to greenish-yellow fluorescence at the base of the hair indicates presence of fungal spores.

**PRIMARY ADVANTAGES
OF THIS METHOD:** This technique enables the veterinarian to quickly and easily detect ringworm in its early stages.