PROPERTIES OF SOME COLONIAL PHASE VARIANTS
OF *CORYNEBACTERIUM RENALE*¹

E. S. FEENSTRA, F. THORP, JR., AND M. L. GRAY

Department of Animal Pathology, Michigan State College, East Lansing, Michigan

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Five cultures, representing four different colony types, were chosen from stock cultures of *Corynebacterium renale* for study in order to determine their morphological, biochemical, serological, and pathogenic relationships.

One culture that might be classified as "smooth" showed the weakest action in the fermentation of glucose and in the digestion of casein, had the least resistance to the bactericidal action of bovine plasma, and was the least pathogenic for rabbits. Two cultures that might be classified as "rough" showed the most resistance to the bactericidal action of bovine plasma and were the most pathogenic for rabbits. The other two cultures were intermediate in colonial morphology and pathogenicity.

The results of agglutination tests showed that there were antigenic differences and similarities between the different cultures, but there was little or no correlation with the morphological characteristics of the colonies.

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