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(54) Title: DETECTION AND QUANTIFICATION OF MICRO-ORGANISMS USING AMPLIFICATION AND RESTRICTION ENZYME ANALYSIS

(57) Abstract

In livestock a number of pathological conditions and/or syndromes have been noticed that do not seem to be attributable to e.g. an infection with a single micro-organism. These syndromes however do seem to have an effect on the equilibrium which normally exists within the different bacteria constituting the bacterial flora. A number of these syndromes are referred to as dysbacteriosis and bacterial overgrowth. To enable at least in part the evaluation of the "general" health of the livestock the invention provides means and methods for analysing the composition of a microbiological flora. In one aspect a method of the invention comprises providing a sample of said flora, selectively amplifying nucleic acid present in said sample, subjecting the amplificate to restriction digestion and analysing the resulting pattern of restriction fragments.



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