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(54) Title:

PREBIOTIC CHITIN EXTRACT FROM CRICKET (GRYLLOIDEA)

(57) Abstract:

A method of extracting of prebiotic chitin from cricket (grylloidea)" and the product thereof is disclosed. The prebiotic chitin extract from cricket (gryllidae) is disclosed. Prebiotics are food or part of food not digested by digestive enzymes, but have a positive effect on host organisms by selectively stimulating useful intestinal bacteria. A method for extraction and testing prebiotic chitin by use of sodium hydroxide and hydrochloric acid and the extracted chitin is washed with hot water to remove the chemical and wash out any remaining polysaccharides. Bacteria agar and broth media is modified using different concentration of chitin. The invention reveals an increase in growth of beneficial bacteria as the chitin concentration increases while the pathogenic bacteria is decreased. It provides an extract that has the ability of chitin to promote growth of beneficial bacteria and suppress pathogenic bacteria to curb enteric diseases.