

## Antibacterial Activity Of Bee And Yemeni Sidr Honey

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Antimicrobial Activity of Bee Venom and Melittin against ...

Prior to testing the potential antimicrobial effect of bee venom on *B. burgdorferi* using SYBR Green I/PI assay, bee venom, melittin and all the antibiotics used in this study were analyzed for auto fluorescence due to reported findings of potential auto-fluorescence issues of certain antimicrobials in previous studies [24,29,31].

Antimicrobial Activity of Bee Venom and Melittin against ...

Table 3 shows results of the antimicrobial activity of fresh bee pollen samples. All the strains were inhibited by the dilution 1/2 and most were inhibited by the dilution 1/4, but the sample 2 was more inhibitory for most the strains than sample 1. Results relative to the inhibitory activity of dried bee pollen are reported in Table 3.

Comparison of the Antibacterial Activity of Honey with ...

Nectar is a natural product collected by bees from which honey is produced. Honey possesses antibacterial activity and is classified as peroxide and non-peroxide components. The contribution of these components is discussed briefly to ascertain their contribution to the antibacterial activity. Data of origin and floral sources of honey and antimicrobial activity against different bacteria ...

Antimicrobial Activity of Honey | IntechOpen

Bee venom (BV) has been used in traditional Eastern medicine to reduce pain and treat chronic inflammatory diseases. Various studies have demonstrated the biological activity of BV. In addition, BV has been reported to have various physiological activities such as antibacterial, anticancer, and anti-inflammatory effects [10,11,12].

Antibacterial activity of bee honey and its therapeutic ...

The antimicrobial activity of the bee pollen samples before and after fermentation against three types of bacteria (*M. luteus*, *S. aureus* and *E. coli*) and a fungi (*P. roqueforti*) are shown in Table 2. The inhibition zone of antibacterial activity was compared with the activity of GEN and antifungal activity was compared with FLU.

Antibacterial Activity of Bee And

The antibacterial activity of honey that had been stored over a long period of time decreased and high concentrations of honey proved more effective as antibacterial agents. In this study there was lower mortality among mice treated with honey but the parenteral application of honey and its therapeutic properties require further investigation.

Beeswax: A minireview of its antimicrobial activity and ...

Antibacterial activity, (M IC), Growth curve, Honey, Gram positive and Gram negative bacteria Honey has the ability to fight food-borne pathogens as *E. coli* and salmonella, and other certain bacteria, including *Staphylococcus aureus* and *Pseudomonas aeruginosa*. The antibacterial activity of local Isis and Yemeni Sidr honeys against

Honey: its medicinal property and antibacterial activity

(1992). The Antibacterial Activity of Honey. Bee World: Vol. 73, No. 1, pp. 5-28.

Antibacterial activity of snake, scorpion and bee venoms ...

Generation of hydrogen peroxide, bee defensin-1, high osmolarity and low value of pH seems to be crucial for its antimicrobial potential. Considering honey as a therapeutic, antimicrobial agent special attention deserves Manuka honey. Its high antimicrobial activity is caused by high concentration of 1,2-dicarbonyl compound methylglyoxal.

The Antibacterial Activity of Honey - ResearchGate

In Mexico, *beecheil*., a native stingless bee is commonly cultivated in farming areas as major pollinators and also for honey production. *Melipona* honey has been recognized to have economic potential due to its growing availability and its higher effectiveness in antibacterial activity with a wider spectrum compared to honeybee honey.

Antimicrobial and antioxidant activities of natural and ...

During recent years, the antimicrobial activity of natural products and especially products of the hive is gaining importance and unlike other bee products, beeswax has been only recently studied. Crude beeswax showed antibacterial activity against several bacterial strains and against the *Candida albicans* (*C. albicans*) yeast .

(PDF) The antimicrobial activity of honey, bee pollen ...

Undiluted honey and its 1 : 2 to 1 : 6 aqueous dilutions showed activity of 100% and 96.4%, respectively, against *P. aeruginosa* and *E. coli*. However, gentamicin showed generally lower antibacterial activity when used in concentrations of 8.0 and 4.0 ?g/ml. In another study, thirty samples of honey from different parts of Oman were investigated ...

Antimicrobial Activity of Bee Venom and Melittin against ...

Hence, antibacterial properties of 34 different venoms from snakes, scorpions, honey bee, and a variety of purified PLA 2 enzymes and laao were investigated against some clinical isolates of pathogenic (gram?positive and gram?negative) bacteria to evaluate the antibacterial activity of venom enzymes as compared with that of the crude venoms.

The Antibacterial Activity of Honey: 1. The nature of the ...

Antimicrobial Activity of Bee Venom and Melittin against *Borrelia burgdorferi* by Kayla M. Socarras , Priyanka A. S. Theophilus , Jason P. Torres , Khusali Gupta and Eva Sapi \* Lyme Disease Research Group, Department of Biology and Environmental Science, University of New Haven, West Haven, CT 06519, USA

The antibacterial activity and toxin production control of ...

This study evaluated the antibacterial activity of honey produced by *Scaptotrigona bipunctata* (HSB) and Africanized bees *Apis mellifera* (HAM) against Gram-negative and Gram-positive bacterial strains.

Antibacterial Activity of Bee and Yemeni Sidr Honey ...

Antimicrobial Activity of Bee Venom and Melittin against *Borrelia burgdorferi* Antibiotics (Basel). 2017 Nov 29;6(4):31. doi: 10.3390/antibiotics6040031. Authors Kayla M Socarras 1 , Priyanka A S Theophilus 2 , Jason P Torres 3 , Khusali Gupta 4 , Eva Sapi 5 Affiliations 1 Lyme Disease Research Group ...

The antimicrobial activity of honey of the stingless bee ...

The aim of this study was to evaluate antimicrobial activity of bees gastrointestinal *Lactobacillus* spp. of against *Paenibacillus* larvae. Content of the intestinal tract was cultured for isolation of *Lactobacillus* spp. Gut homogenates were plated on de Man, Rogosa and Sharpe agar (MRS, Oxoid) plates and incubated for 48-72h at 30°C anaerobically.

The Antibacterial Activity of Moroccan Bee Bread and Bee ...

A recent study examining the antimicrobial properties of honey in vitro found that H 2 O 2, MGO and an antimicrobial peptide, bee defensin-1, are distinct mechanisms involved in the bactericidal activity of honey.

Antibacterial Activity of Bees Gut Lactobacilli against ...

The aim of this study was to test the antimicrobial activity of propolis, bee pollen loads and beeswax samples collected in the year 2009 from two locations in Slovakia to pathogenic bacteria ...

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