Research Article

PCR-Based Method for Rapid and Minimized Electrochemical Detection of mecA Gene of Methicillin-Resistant Staphylococcus aureus and Methicillin-Resistant Staphylococcus epidermis

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Methicillin-resistant Staphylococcus aureus (MRSA) is one of the most important pathogens that cause nosocomial infections. However, microbiological culture techniques take a few days to yield results; therefore, a simple, cost-effective, and rapid detection system is required for screening for MRSA and related bacteria: Methicillin-resistant Staphylococcus epidermidis ...

Antibacterial Effects of Herbal Compounds against Acinetobacter baumannii Isolated from Hospital of Tehran, Iran

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Increasing isolation of multidrug-resistant Acinetobacter baumannii (MDR) has been reported in worldwide and it is recently one of the most difficult nosocomial acquired gram-negative pathogens to control and treatment. These bacteria are one of ESBL producing that great potential have for the rapid development of antibiotic resistance. Use of medicinal herbaceous drug ...

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**Pivmecillinam Treatment of Community-Acquired Uncomplicated Pyelonephritis Based on Sparse Data**

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Author(s): Filip Jansaker*, Frederik Boetius Hertz, Niels Frimodt-Moller and Jenny Dahl Knudsen

Background: Pivmecillinam has good pharmacokinetic properties for treatment of infections in the urinary tract, and the meccillinam resistance rate in Enterobacteriaceae is very low. In a European guideline pivmecillinam is recommended as a first-line drug for treatment of lower urinary tract infections. In Danish and Norwegian guidelines pivmecillinam is also recommen ...

**Prevalence and Antimicrobial-Resistance of Staphylococcus aureus Isolated from Blood Culture in University Hospital, Turkey**

Published On: August 18, 2015 | Pages: 010 - 013

Author(s): Calik Zeki, Karamese Murat* and Acar Osman

Introduction: In this study, our aim was to detect the prevalence and antibiotic resistance of Staphylococcus aureus, isolated from blood culture in Kafkas University Hospital, Kars, Turkey retrospectively and to present the first data from this university hospital. ...
Quorum Sensing in Bacterial Pathogenesis

Published On: July 10, 2015 | Pages: 004 - 009

Author(s): Hossein Saghi, Fateme Moradi, Razieh Mohseni, Amir Hossein Abadi, Ramezan Ali Ataee, Parnia Baban Zadeh, Maryam Meskini, and Davoud Esmaeili*

Introduction: Quorum sensing (QS) in the word means a gathering or a fixed number of objectives and say the microbes sense of awareness of the presence of bacteria and their community is. Bacteria in social life, the greatest benefit from the competitive environment to get the genetic regulatory mechanisms they use. ...
A Literature Review of Inflammation and Its Relationship with the Oral Cavity

Published On: November 04, 2015 | Pages: 001 - 007

Author(s): Luciano Silva*

Objective: This article presents a literature review which relates the processes, interactions, classification and the vascular and clinical characteristics of inflammation relating it with the oral cavity and describing the main cell types and chemical mediators used for its establishment. ...