Bacteriophage Based Assays for Detection of Salmonella Organisms

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Salmonellosis is an important zoonotic disease but field applicable, simple, accurate, and cost effective diagnostics are lacking. We isolated a broad acting bacteriophage lytic to Salmonella Typhimurium, S. Pullorum, S. Gallinarum and S. Dublin and investigated its application in diagnosis employing MTT assay and nitrate test. ...

Listeria Monocytogenes as a Foodborne Pathogen: Biocontrol in Foods using Lytic Bacteriophages

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Foods are playing a significant role in human infections because they are frequent vehicles of some human pathogens, which can spread in a short time to all the animals and are associated with cross contamination during production and processing. ...

Immobilization and Biochemical Properties of Purified Xylanase from Bacillus amyloliquefaciens SK-3 and Its Application in Kraft Pulp Biobleaching

Published On: December 15, 2016 | Pages: 026 - 034
In the present study, we studied the production and immobilization xylanase from Bacillus amyloliquefaciens strain SK-3. Isolate produced highest xylanase activity (56.2±1.6 IU/mol) at pH=8 and 40°C after 48 h incubation in presence of 1% wheat bran. ...
The residual tannins discharged from tanning units of the leather industry have an adverse effect on living organisms and cause serious environmental pollution. Biological degradation is an important mechanism of organic chemical removal in natural systems owing to its environmental compatibility.

**Comparison of hipO and ceuE Gene Based PCR Assays for the Detection of Campylobacter Jejuni**

The objective of this study was to find out the reproducibility and specificity of hipO and ceuE genes based PCR assays for the detection of Campylobacter jejuni isolated from turkey meat samples in a previous study. A total of 44 Campylobacter isolates including 41 C. jejuni, two C. coli and one C. lari were used in this study. Although all of the C. jejuni isolates we...

**Hepatopulmonary Syndrome and Portopulmonary Hypertension in the Same Patient**

Hepatopulmonary syndrome (HPS) and portopulmonary hypertension (POPH) are the most common pulmonary vascular complications in patients with liver disease. We present a 71-year-old woman with alcoholic cirrhosis and 6-month history of progressive shortness of breath with mild hypoxemia at rest. Results of spirometry was normal and diffusing capacity of the lung for car...
Zika Virus Infection and a Missed Opportunity

Published On: December 29, 2016 | Pages: 040 - 040

Author(s): Viroj Wiwanitkit*

Zika virus infection becomes the big consideration in medicine at present since the infection can seriously affect the health of the infected person. ...

Connecting Clinical Practices with Microbiological and Biochemical Technologies

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The word technology refers to the knowledge of techniques, skills, methods or processes used to produce goods, services or to reach specific objectives (research, business, etc.). The concept technology can also be used to make reference to devices, computers and factories. The history of technology is as long as human beings' history, however great advances in the fi ...