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. ...
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**

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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 ...
Zika Virus Infection and a Missed Opportunity

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

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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 ...

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