

Research Article

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Bacteriophage Based Assays for Detection of Salmonella Organisms

Published On: December 30, 2016 | Pages: 041 - 045

Author(s): Vimlesh Gupta and Hari Mohan Saxena*

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. ...

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

Published On: December 15, 2016 | Pages: 035 - 039

Author(s): Naim Deniz Ayaz*, Gizem Cufaoglu

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. ...

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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

Author(s): Sharad Kumar, Izharul Haq, Ashutosh Yadav , Jyoti Prakash and Abhay Raj*

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. ...

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Identification and Evaluation of in vitro Probiotic Attributes of Novel and Potential Strains of Lactic Acid Bacteria Isolated from Traditional Dairy Products of North-West Himalayas

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Author(s): Kanika Sharma, Nivedita Sharma* and Ranjana Sharma

Background: Fermented dairy products of north-west Himalayas (Himachal Pradesh) are rich sources of potential and novel probiotic isolates which further can be explored for their commercial application. ...

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Catheter Associated Urinary Tract Candida Infections in Intensive Care Unit Patients

Published On: December 10, 2016 | Pages: 015 - 017

Author(s): Sachin C Deorukhkar*, Santosh Saini, Namita A Raytekar and M Dawna Sebastian

Introduction: Health care associated infections (HCAIs) or nosocomial infections have a propensity to strike in the critical care areas. Surveillance of HCAIs, so as to define the magnitude and nature of the problem, is the primary step towards reducing the risk for infection in vulnerable hospitalized patients. ...

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Halotolerant Co-Cultured Bacterial Strains used in Degradation of Tannin Isolated from Tannery Industry Contaminated Sites

Published On: December 07, 2016 | Pages: 009 - 014

Author(s): Veena Gayathri Krishnaswamy*, Raiza waizd and Gopika

The residual tannins discharged from tanning units of the leather industry have an adverse effect on living organism and causes serious environmental pollution. Biological degradation is an important mechanism of organic chemical removal in natural systems owing to its environmental compatibility. ...

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

Published On: June 03, 2016 | Pages: 006 - 008

Author(s): Naim Deniz Ayaz*, Muammer Goncuoglu, Omer Cakmak and Irfan Erol

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 ...

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Case Report

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Hepatopulmonary Syndrome and Portopulmonary Hypertension in the Same Patient

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Author(s): Glenda Ernst, Fernando Grassi and Julio F Chertcoff*

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 ...

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Zika Virus Infection and a Missed Opportunity

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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. ...

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Connecting Clinical Practices with Microbiological and Biochemical Technologies

Published On: January 09, 2016 | Pages: 001 - 001

Author(s): Rosa María Martínez-Espinosa*

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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