

Isolation Of Lipase Producing Bacteria And Determination

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Isolation Of Lipase Producing Bacteria

Screening and isolation of lipase producing strains of bacteria was carried out from different soil samples collected from various area in Surat, Gujarat, India. Tributyrin agar, selective media for isolation of lipase producing bacteria was used. Out of 41 isolates,20 were showing lipolytic activity.

Isolation, Identification and production of lipase ...

Based on the isolated dominant strains, nine lipase-producing bacteria were obtained and classified into six genera including Bacillus, Brevibacterium, Corynebacterium, Staphylococcus, Klebsiella, and Stenotrophomonas.

Isolation and Characterization of Lipase-Producing ...

Based on the isolated dominant strains, nine lipase-producing bacteria were obtained and classified into six genera including Bacillus, Brevibacterium, Corynebacterium, Staphylococcus, Klebsiella, and Stenotrophomonas.

Isolation and characterization of lipase-producing ...

Tributyrin agar, selective media for isolation of lipase producing bacteria (Bacillus subtilis) was used. Lipase producing microorganisms produced clear zones on this media. Agar disc cut from the...

(PDF) Isolation Of Lipase Producing Bacteria from Oil ...

Isolation of Lipase Producing Bacteria: The collected samples were enriched by periodic sub-culturing of samples in nutrient broth (NB) medium composed from (5gm pepton and 3gm yeast...

Isolation and Identification of Lipase Producing Bacteria ...

3.1 Isolation and screening of lipase producing bacteria: A total of 158 colonies were selected and isolated from the 11 samples. The lipase enzyme producing microbial colonies were identified by the clearing zones around the colonies. The selected isolates were transferred onto nutrient agar slants and incubated for 24 hours.

ISOLATION, OPTIMISATION AND PARTIAL PURIFICATION OF LIPASE ...

For isolation of lipase producing organism, soil sample was collected from 4-5 cm depth with help of sterile spatula in a sterile plastic bag from the vicinity of Vellore petrol bunk in Tamilnadu. Screening of microorganism

Isolation of lipase producing bacteria from oil ...

ISOLATION, IDENTIFICATION AND PRODUCTION OF LIPASE PRODUCING BACTERIA FROM OIL CONTAMINATED SOIL | Semantic Scholar The production of commercial enzymes, including lipase from bacteria has always been the industrial choice due to its economical and commercial feasibility. Lipases are produced by microorganisms such as bacteria and fungi.

ISOLATION, IDENTIFICATION AND PRODUCTION OF LIPASE ...

Eight strains were isolated on the basis of colony morphology and the appearance on nutrient agar plates by serial dilution technique from petrol spilled soil sample. The oily environment may provide a better environment for isolation on lipase producing microorganism (Mobarak-Qamsari et al., 2011). The isolated 8 bacterial strains were designated as SP1, SP2, SP3, SP4, SP5, SP6, SP7 and SP8.

Optimization and production of lipase enzyme from ...

The present studies of the goals of this paper were isolation and identification of lipase producing bacteria from biogas producing power plant waste volatile substances as sources. Optimization of the experimental conditions for the maximal amount of enzyme production was performed.

INDUSTRIAL ENZYMES: LIPASE PRODUCING MICROBES FROM WASTE ...

Lipase producers have been isolated mainly from soil, or spoiled food material that contains vegetable oil. Lipase production from a variety of bacteria, fungi and actinomycetes has been reported in several works (Sztajer et al.,1988; Kulkarni and Gadre, 2002).

Isolation and Characterization of Lipase producing ...

The production media (pH7.0) was prepared with 5 g/L peptone, 5 g/L beef extract in distilled water, autoclaved for 15 min at 15 lb pressure (121 °C) and cooled to about 60 °C before the addition of 10 mL olive oil. 1.0 ml of overnight grown selected lipase producing bacterial cultures was inoculated in 100 ml of production medium in 250 ml Erlenmeyer flasks separately and incubated at 35 °C for 24 h. Culture was centrifuged at 10,000 rpm for 10 min after incubation, supernatant was ...

Isolation, optimization and molecular characterization of ...

Isolation and Optimization of Lipase Producing Bacteria from Oil Contaminated Soils. Lipolytic bacteria were isolated from oil contaminated soils and grown on tributyrin media containing 1% (w/v) olive oil. The isolate showing maximum activity was identified by following Berger's manual.

Isolation and Optimization of Lipase Producing Bacteria ...

The aim of the study was to isolate and study the diversity among halophilic bacteria producing enzymes of industrial value. Screening of halophiles from various saline habitats of India led to isolation of 108 halophilic bacteria producing industrially important hydrolases (amylases, lipases and proteases).

Screening and isolation of halophilic bacteria producing ...

The present investigation was carried out to isolate lipase producing bacteria from waste contaminated (basically kitchen waste dumping) sites. It is arguable to expect the presence of lipase producing bacteria in such sites since numerous lipid remnants from cooking and non-cooking processes are directly dumped in these sites.

INTERNATIONAL JOURNAL OF SCIENTIFIC & TECHNOLOGY RESEARCH ...

Isolation of lipase/esterase producing microorganisms Samples were serially diluted with sterile distilled water and spread on the nutrient agar plates followed by incubation for 24-48 h at 37 °C for the growth of microorganisms.

Screening, isolation and production of lipase/esterase ...

factories and identify isolated bacteria, while creating optimum conditions for lipase production by bacteria. Having collected three soil samples from an oil extraction factory, lipase-producing bacteria have been identified, based on biochemical and morphological tests.

Isolation, Optimization, and Molecular Characterization of ...

Isolation of Three Thermophilic Bacterial Strains (lipase, cellulase, and Amylase producers) From Hot Springs in Jordan - Three strains of thermophilic bacteria were isolated from three different hot springs in Jordan.... thick rod and spore former. AZ22 very small short rod.