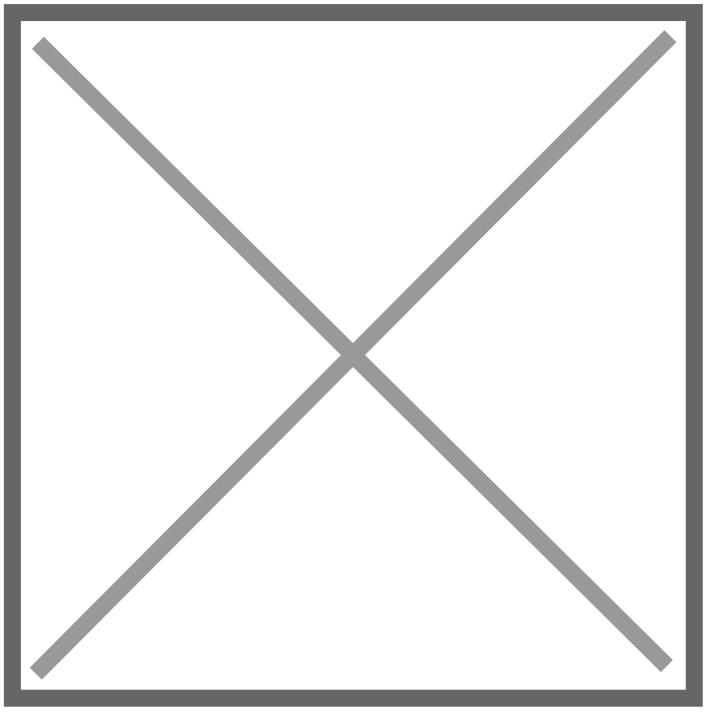
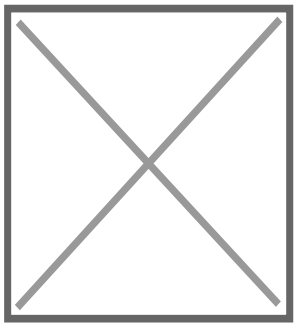
BioSpect
the business of Bi
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Environ protecting Enviroseb

15 April 2003 | News



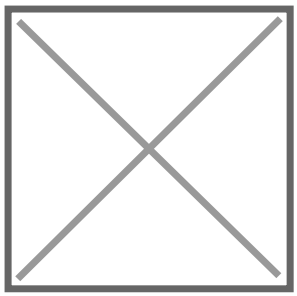


Advanced Biochemicals Ltd., a Nasik based industrial enzymes manufacturer has brought out a range of products for complete environmental protection through waste management. Each product is a balanced blend of active microbes and enzymes best suited for specific applications. These products are put out after extensive research and repeated field trials.

Enviroseb finds applications in effluent, sewage, organic waste, and garbage treatment. This can convert agricultural waste as well as animal waste into quality organic fertilizer. Enviroseb has found useful in healthcare and sanitation for cattle, poultry and aqua farms. It enhances the growth of beneficial microorganism like azotobacter, rhizobium and acetobacter in soil and suppresses bacteria like ecoli and other coliforms.

Enviroseb range of products include Eniroseb S, E and Enviroseb A1 to A3

BioAccess and scanner from BioEnable



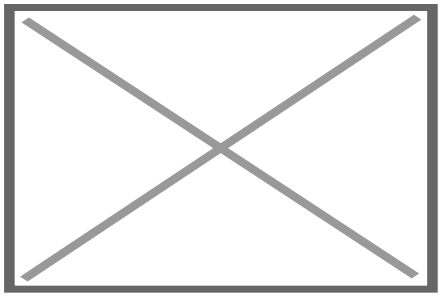
BioEnable, a technology company that develops intelligent positive identification products based on biometrics fingerprint recognition and wireless communication technologies, is ringing out BioScanner and access. The company offers cutting-edge security and convenience through this product.

BioScanner is USB (Universal Serial Bus) PC peripherals, with a small optical fingerprint scanner. BioScanner comes with drivers and application software. BioScanner is a heavy duty commercial optical fingerprint scanner with high resolution, quality and long life.

BioAccess is a compact, standalone, and fingerprint based access control terminal. It simply register users with one or more fingerprints and activate relay on successful verification. BioAccess is developed for access control applications like electromagnetic door locks, car locks, safes, industrial automation and security systems. BioAcess can store upto 140 fingerprints making it suitable for home, office and other access control applications.

SysArris with new Oligo software

OligoSys, a software product from SysArris software Pvt. Ltd., applies cutting edge algorithms to retrieve, process and analyze genomic data. OligoSys uploads template sequences from Microsoft Excel and Text files to design oligos. It analyzes and processes single as well as multiple sequences (batch processing). The option to manually enter a sequence and design oligos is also featured in OligoSys. Based on powerful algorithms, it suggests the best oligos for the input sequence and calculates its properties.

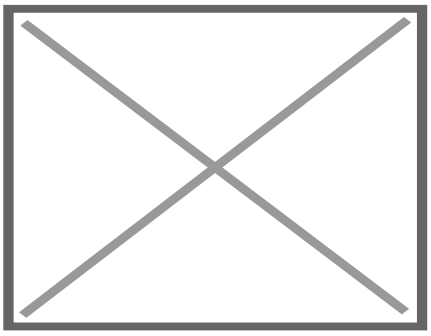


OligoSys is a tool for the design of oligonucleotides for hybridization reactions, TaqMan, LightCycler, Molecular Beacon etc. Oligonucleotides are used for a wide variety of molecular biology applications and have revolutionized the field of biotechnology very much. OligoSys accepts templates from file or manually pasted sequences to design oligos. Based on powerful algorithms, it scans the complete gene sequence or selected regions to obtain stringent and specific oligos and their properties.

Natrotene - Natural Mixed Carotenoids containing predominantly betacarotene from the algae, Dunaliella salina, has been manufactured by Proalgen Biotech Ltd., a Chennai based company. The company has successfully isolated a natural strain of algae Dunaliella Salina and has developed the process for mass culture of these algae to produce natural betacarotene for various applications. Betacarotene is a precursor of Vitamin A, a fat-soluble micronutrient essential for healthy vision, cell reproduction, immune function, wound healing, and other crucial body functions.

The technology involves starting with fresh water for cultivation of algae and adding basic ingredients to make it to artificial seawater. When seawater is used, there are multitude of competing organisms that are likely to take up the media for growth. These can include at least 7 to 8 species of Dunaliella sp. itself, that do not produce betacarotene but grow well under the same conditions. The process technology envisages harvesting using flocculants while most existing commercial processes do so by centrifugation. The company is also developing a bio flocculant and is likely to put it to use shortly. This would in economic parlance mean that outlay on plant and machinery and running costs are lower in comparison to the existing processes/ projects.

BioGit for adjunct therapy in treatment of diarrhoea

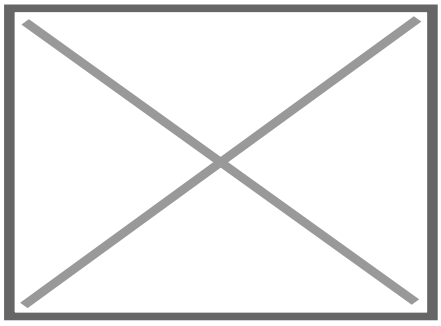


BioGit- a product of Bharat Biotech International Ltd - is a lyophilized preparation of live cells of the probiotic yeast; Saccharomyces boulardii. It is recommended as an adjunct therapy in the management of the various indications like the treatment of diarrhoea of various etiologies that include traveler's diarrhoea, viral diarrhoea in children and antibiotic associated diarrhoea. It is also indicated for treatment of irritable bowel syndrome and prevention of diarrhoea during continuous enteral feeding in adults and for vaginal
yeast infections.

The benefits of BioGit include it's capability to survive the harsh acids of the stomach when taken with food. It inhibits the growth of pathogenic bacteria. It may decrease the production of toxic compounds produced in the intestinal tract. It produces vitamins and other nutritional factors that may be utilized by the host. It may help to alleviate flatulence.

CYSTI Chex to detect antibodies in CSF

The Bangalore-based X Cyton Diagnostics has developed indigenously an ELISA kit called CYSTI Chex for the detection of anti cysticeracal anti bodies in cerebro spinal fluid. The kit uses excretory -secretory proteins of cysticercus cellulosae as antigens, the metabolic product of live cysticerci maintained in vitro. These are the only antigens seen by the human immune system.



It is a special tool for neurologists to distinguish to between neurotuberculosis and neurocysticercosis. It identifies single parenchymal, multiple parenchymal and single ventricular cysts. This detection kit is for neurocysticercosis, a disease prevalent in Latin America and China apart from India. It is a patented product of Astra Zeneca.