

Alternative Gene Expression S.L.  
Centro empresarial -Parque Científico y Tecnológico de la UPM.  
Campus de Montegancedo -28223 Pozuelo de Alarcón. Madrid.  
Spain  
Phone: +34 91 452 49 41  
[www.algenex.es](http://www.algenex.es)  
[info@algenex.es](mailto:info@algenex.es)



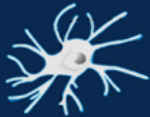
**IBES® technology**

IBES® technology is a non-fermentative protein expression method which uses insects (*Trichoplusia ni*) as small living bioreactors. IBES® is possibly one of the most advantageous and efficient technologies based on baculovirus vectors to produce functional recombinant proteins.



**NOVEL  
BACULOVIRUS  
VECTORS**

Potent *T. ni* insect-larva promoters have been characterized, isolated and incorporated by ALGENEX into the conventional AcPNV vector in substitution to the conventional used baculovirus promoters. The novel resulting expression vectors have been denominated *Top-Bac* and present significant advantages including early expression.



**APCH1  
ADJUVANT  
MOLECULE**

Molecule APCH1 drive transcriptionally fused vaccine antigens to antigen presenting cells (APCs), increasing vaccine potency and reducing the vaccine dose needed. APCH1 has been tested in soluble form and for DNA vaccination and promotes humoral and cellular immune responses against vaccine antigens



**VACCINES**

ALGENEX develops veterinary and human recombinant subunit vaccines based on virus-like particles and surface virus glycoproteins.



**DIAGNOSTIC  
REAGENTS**

In the field of diagnostic reagents development, ALGENEX has efficiently produced a number of diagnostic proteins for serological diagnosis of animal infectious diseases and antibodies for universal rotavirus A detection. ALGENEX has licensed some of these reagents to diagnostic companies for their commercialization.



**THERAPEUTIC  
MOLECULES**

**Rotavir-Block.-** Neutralizing single domain camelid antibodies (VHH) directed to the rotavirus A inner capsid protein VP6. These antibodies promises to become an essential tool for the prevention and treatment of severe rotavirus A diarrhea.

**Dynein-block.-** Peptides interfering with early stages of infection of a variety of viruses, inhibiting intracellular virus transport.