
Applied Research and technological development

Other important achievements have been the use of some of this information along with the one already present literature for:

A) The development and the transference of six biotechnologies developed at the Research Center to mexican industry: I) development of an enzymatic technology for the production of semisynthetic penicillins and cephalosporins; II) development of a fermentation process for the production of xantan; III) development of two fermentation processes for the production of unicellular protein from milk serum; IV) development of a process, at laboratory and pilot plant scale, for the production of inoculum from *Saccharomyces cerevisiae* towards the production of alcohol; V) development of a fermentation process to produce unicellular protein from methanol; VI) biological and biochemical characterization of alcohol producing yeast strains.

B) Two patents have been accepted and six more are under review.

C) Building of microorganisms that produce human proteins (Such as human interferon, A and B chains of human insulin) and industrially important polymers (xantan).

D) Development of a system for the detection of malaria, using DNA probes.

E) Development of a multienzymatic meter for fast and sample quantization of simple compounds.