RESEARCHPROJECT

Institute
Life Technologies

Production of a fodder additive based on microorganisms with a high nucleotide content

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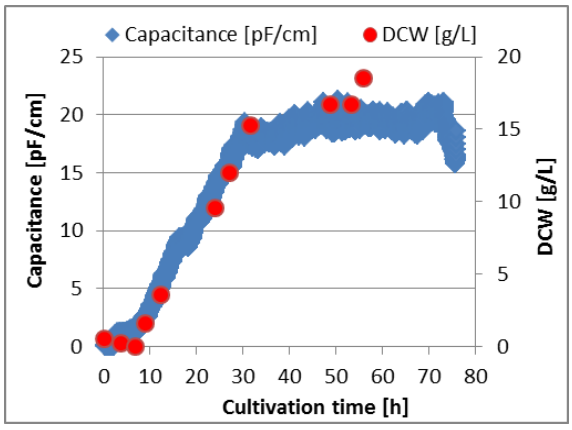
Description There is an increasing shortage of fodder additives (e.g. fish flour) and consequently a growing need for new products that will satisfy the fast growing market of farm animals. Extracts of microorganisms with a naturally high content of nucleotides represent an alternative source for the preparation of high-value fodder. During this CTI project new microbial options are being evaluated as fodder additives and their optimal mode of cultivation (batch, fed-batch or chemostat) and medium composition determined. The research team at HES-SO is responsible for the scale-up of the production to a 300 L bioreactor and for the technology transfer to industry.

Two 300 L bioreactors are available for the scale-up of the production process.



Process analytical technology (e.g. capacitance measurement) is used to determine the optimal harvest time

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