

Biofertilizer and Biopesticides : Manufacturing Process and Quality Control at CAI

Growers Support the World and Our Microbes Support Their Crops

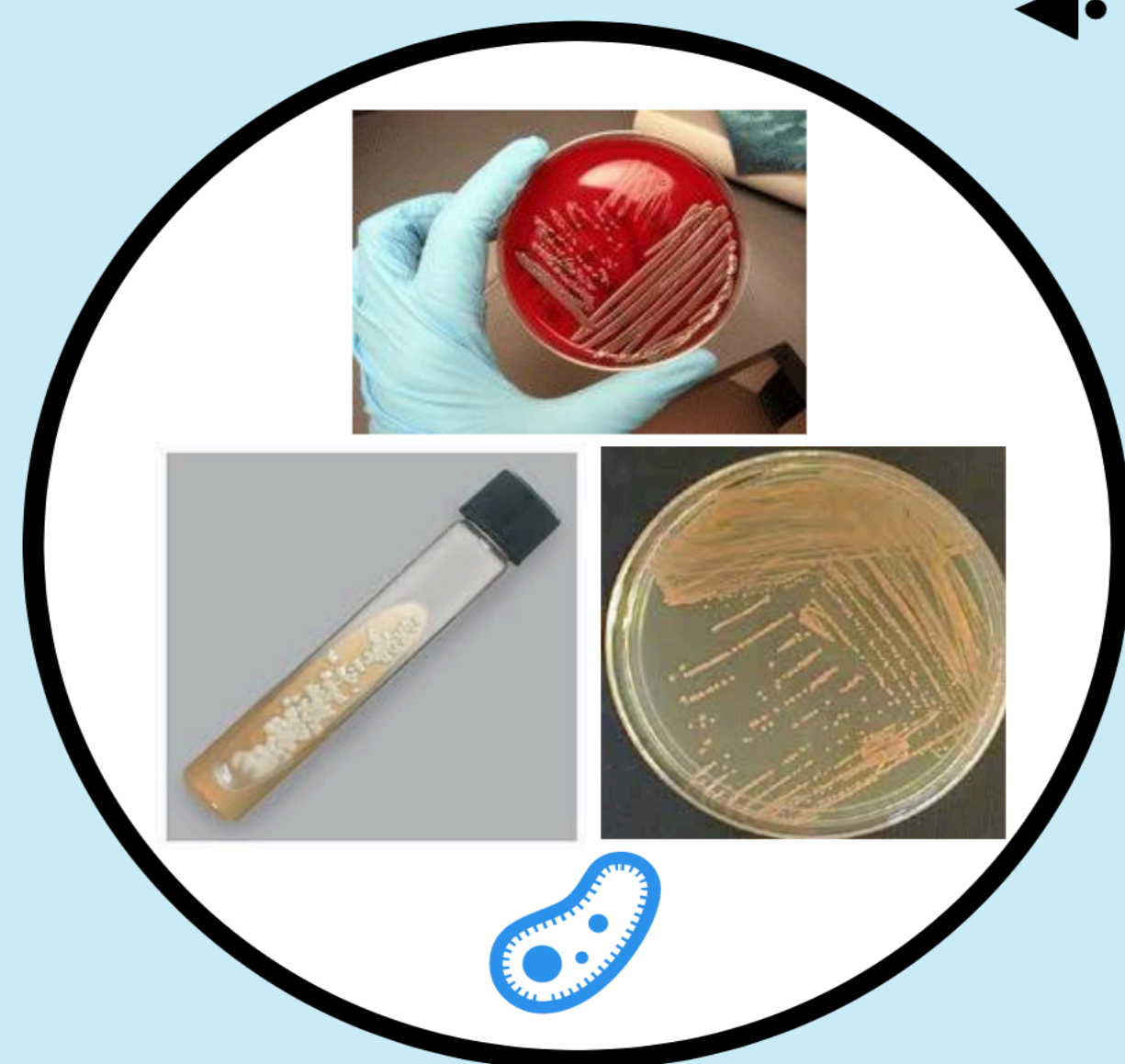


Customized Microorganisms

CAI uses efficient strains of CUSTOMIZED NATIVE MICRO-ORGANISMS for the formulation of biofertilizers which are known to have safe biocidal effects.

CAI's Laboratory

CAI has a specialized microbiology/biochemistry laboratory setup with advanced scientific instruments and equipments.

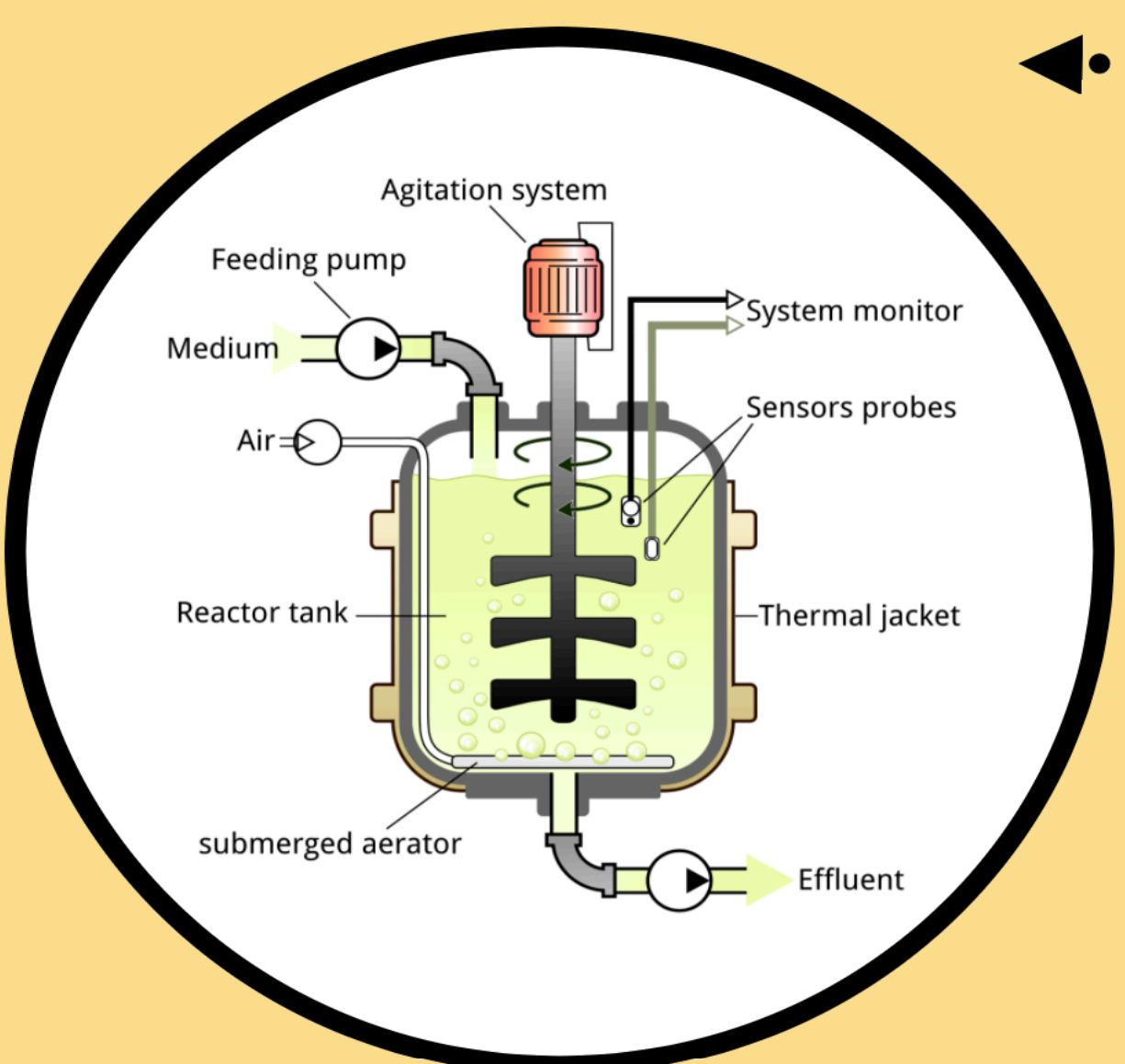


Preparation of Starter Culture

The pure culture of efficient customized strain of microorganisms is grown on respective agar medium slant/plate.
Starter culture quality check

Preparation of Broth

Preparation of Broth in small flasks
Preparation of Broth in Large flasks
Broth Culture Quality check



Fermentation process

Mass multiplication of microorganisms is achieved through a batch fermentation process. CAI has an advanced, state-of-the-art fermenter facility for small-scale and large-scale production.
Broth quality check

Formulation and storage

Formulation is carried out in a sterile preparation room. Formulation and packing are done with care to prevent contamination.
Formulation quality check



Quality check



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At CAI, quality check done at the different stages of laboratory and production process. The purity and viable cell count in the final product are maintained as per the specified standard to provide best bioproducts to the Growers of Canada.