



Few Applications of pilot fermentation facilities:

Whole cell catalysts
Biomass harvest
Probiotics
Lantibiotics
Recombinant proteins
Bio-chemicals
Small molecules
Bio-fertilizers
Specialty bio-chemicals
API intermediates
Biologics
Enzymes

Pilot Facilities for upstream & downstream biotechnology applications:

Seed Bio-Reactors, 5 L
Pre-pilot reactors- 50 L
Pilot bio-reactors – 500 L working volume
Ceramic micro-filtration in Tangential Flow system, 100 LPH
Ultra-filtration up to 10 KDA, 100LPH
Pilot Low temperature vacuum drying in Rotary paddle configuration
Ribbon mixing, 1 ton/h

Capabilities:

24X7 utility unit operations (Boilers, chillers, cooling towers, compressors etc)
Fungal, Yeast, Bacterial cells, GMOs
Enzymatic bio-conversions
Both regulatory and non-regulatory applications
Both research and commercial batches

**FERMENTECH
GSV**

*CDMO & Contract
Fermentation Offerings*

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