



Microbial Fermentation Services

With the rapid evolution of genomics, proteomics and metabolomics, the industrial application of microbial systems offers tremendous potential to heal, feed and fuel the world.

Despite considerable socioeconomic and environmental promise, there are few facilities positioned to enable development, demonstration and commercialization of microbial biotechnologies.

Business Overview

SRC Biotechnology Laboratories provides world-class facilities and expertise to accelerate the commercialization of microbial technologies. SRC and the National Research Council (NRC) co-manage a fermentation plant, which offers clients contract biomanufacturing services that are uniquely well-positioned to support the commercial development of biotechnologies across Saskatchewan's core resource sectors of mining, energy and agriculture.

SRC offers its clients a 4,300 ft² Biosafety Level 2 facility uniquely suited to process development, scale-up, optimization and manufacturing of microbial technologies.

From biomining to microbial enhanced oil recovery to crop inoculants, SRC Biotechnology Laboratories enables its clients to convert their discoveries into innovation.

Key Features

- Fully-instrumented fermentation suite (15 to 300 litres)
- Downstream processing and purification (Microfluidizer®, AKTA™ FPLC, SARTOFLOW® TFF, UF)
- Production and laboratory-scale lyophilization
- In-process analytics (ABB process mass spectrometer)
- Product analytics (Agilent Bioanalyzer, Endosafe®-PTS, YSI Biochemical Analyzers)

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CONTACT

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