

Resource Summary Report

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UMD Bioprocess Scale-Up Facility

RRID:SCR_012703

Type: Tool

Proper Citation

UMD Bioprocess Scale-Up Facility (RRID:SCR_012703)

Resource Information

URL: <http://www.scienceexchange.com/facilities/bioprocess-scale-up-facility>

Proper Citation: UMD Bioprocess Scale-Up Facility (RRID:SCR_012703)

Description: The Bioprocess Scale-Up Facility (BSF) is the Biotechnology Research and Education Program's modern bioprocessing laboratory dedicated to the development and scale-up of biotechnology products and processes. With over 1000 fermentations conducted since 1998 alone, the BSF has accelerated the R&D of local biotechnology leaders such as Human Genome Sciences, NIH and MedImmune, as well as growing Maryland start-ups such as Martek Biosciences and Digene Corporation. The BSF's capabilities include fermentation, purification, product analysis and solving challenging problems such as biopolymers, turbulence and multiphase fluid dynamics, biosensors, process analysis and control, and both metabolic and biochemical engineering. BSF is a unique facility in Maryland not restricted by current good manufacturing practices (cGMP) requirements, and production processes are directly transferable to partners operating under cGMPs (required for FDA-approved clinical trials), such as Cambrex Inc. and the Walter Reed Army Institute of Research. The BSF enables small manufacturing companies to offer extended capabilities to major pharmaceutical (Big Pharma) companies out-of-state. The Biopharmaceutical Advancement Facility (BAF) specializes in the development of cell culture-based biopharmaceutical products. BAF is part of the Biotechnology Research and Education Program and a companion to the Bioprocess Scale-Up Facility in the Maryland Technology Enterprise Institute (Mtech) at the University of Maryland. The facility's staff members offer extensive expertise in addressing challenging problems with the advancement of anchorage-dependent or suspension-adapted cell lines. The facility is not restricted by current good manufacturing practices (cGMPs); however, production processes are directly transferable to partners operating under cGMPs.

Abbreviations: UMD BSF

Synonyms: University of Maryland Bioprocess Scale-Up Facility

Resource Type: access service resource, core facility, service resource

Resource Name: UMD Bioprocess Scale-Up Facility

Resource ID: SCR_012703

Alternate IDs: SciEx_8900

Record Creation Time: 20220129T080311+0000

Record Last Update: 20260904T000720+0000

Ratings and Alerts

No rating or validation information has been found for UMD Bioprocess Scale-Up Facility.

No alerts have been found for UMD Bioprocess Scale-Up Facility.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.