

South & Central America Bioprocess Technology Market Forecast to 2028 - Regional Analysis By Type (Cell Culture Media Bioprocess, Chromatography Bioprocess, and Consumables & Accessories, and Others), Modality (Single Use and Multiple Use), and End User (Academic & Medical Institutions, Biopharmaceutical Companies, Research Laboratories, and Others)

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Abstracts

The South & Central America bioprocess technology market is expected to grow from US\$ 1,531.47 million in 2023 to US\$ 3,361.13 million by 2028. It is estimated to grow at a CAGR of 17.0% from 2023 to 2028.

Introducing Advanced Bioprocess Technologies Drives South & Central America Bioprocess Technology Market

Advanced bioprocess technologies bridge R&D with production. Several players are introducing a wide range of new bioprocessing technologies in the market. On December 4, 2020, IDBS (a provider of software informatics solutions for the biotech and pharmaceutical industries) announced the launch of Polar. Polar creates a new product category called BioPharma Lifecycle Management (BPLM) to streamline drug development and production in biopharma research. Polar is designed and deployed to rapidly solve challenges associated with workflow, process quality, collaboration, and data analysis that have plagued the existing software solutions, including laboratory information management system (LIMS) and electronic laboratory notebook (ELN). As a result, there will be less human errors and an improvement in overall accuracy. It will

reduce manual data processing and transcription, leading to fewer human errors and enhanced overall accuracy. It also has extensive search features that make it easier for users to locate what they are searching for, preventing the need for pointless duplication of effort.

METTLER TOLEDO's Dynochem Biologics is a purpose-built simulation software that supports upstream and downstream unit activities in bioprocessing at any scale. Bioprocess engineers and scientists use the software to choose appropriate process operating parameters and establish scales equivalency. Utilities enable quick evaluation of equipment performance with minimal data, whereas more potent models leverage the existing data streams for process characterization. Initial projects can be completed quickly with the help of responsive application expertise, rich training resources, and a model library that is already built. Peptides, mAbs, vaccinations, and viral vectors are a few examples of the many applications.

Merck's new BioContinuum Platform advances biotherapeutic drug manufacturing through improved efficiency, simplified plant operations, and greater quality and consistency. In addition, Merck's Pellicon Single-Pass Tangential Flow Filtration aid in intensifying operations associated with the purification of therapeutic proteins. Thus, the introduction of various new-age bioprocess technologies is likely to provide lucrative opportunities for the market growth during the forecast period.

South & Central America Bioprocess Technology Market Overview

The bioprocess activity produces purified protein derivative (PPD) using Brazilian strains intended for diagnostic use, per the National Institute of Health (NIH) report. In Brazil, the healthcare system imports and distributes the PPD across various areas. The indigenous production of PPD was undertaken to initiate studies toward developing an indigenous technology for PPD production using the strains of *Mycobacterium tuberculosis* isolated from patients suffering from TB across Brazil. Therefore, PPD reveals similar indications when tested individually, and better results were obtained. Such advancements in producing strains for targeted therapy through strains are responsible for significant growth for the South & Central America bioprocess technology market during the forecast period.

South & Central America Bioprocess Technology Market Revenue and Forecast to 2028 (US\$ Million)

South & Central America Bioprocess Technology Market Segmentation

The South & Central America bioprocess technology market is segmented into type, modality, end user, and country.

Based on type, the South & Central America bioprocess technology market is segmented into cell culture media bioprocess, chromatography bioprocess, consumables & accessories, and others. In 2023, the consumables & accessories segment registered the largest share in the South & Central America bioprocess technology market.

Based on modality, the South & Central America bioprocess technology market is bifurcated into single use and multiple use. In 2023, the single use segment registered a larger share in the South & Central America bioprocess technology market.

Based on end-use, the South & Central America bioprocess technology market is segmented into academic & medical institutions, biopharmaceutical companies, research laboratories, and others. In 2023, the biopharmaceutical companies segment registered the largest share in the South & Central America bioprocess technology market.

Based on country, the South & Central America bioprocess technology market is segmented into Brazil, Argentina, and the Rest of South & Central America. In 2023, the Rest of South & Central America segment registered a largest share in the South & Central America bioprocess technology market.

Danaher Corp; Eppendorf SE; Lonza Group AG; Merck KGaA; Repligen Corp; Sartorius AG; and Thermo Fisher Scientific Inc are some of the key companies operating in the South & Central America bioprocess technology market.

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