A cutting-edge improvement for biologics manufacturing.

Mycenax Biotech Inc. (MBI) serves the clients from Asia, Pacific, Europe, and North America for over decades to satisfy the business needs from cell line development to GMP manufacture with a data-driven, science-based and result-oriented approach.

Equipping with CMC based platform, disposable technology, and PIC/S GMP manufacturing system, we dedicates to deliver satisfactory results by providing a high quality, cost-competitive and full line solution to develop and manufacture biological products.

Aiming to provide better services to our clients, we keep upgrading our technical capacity to meet the world manufacturing trend. Two highlights on recent MBI technology platforms are MBI JUMP and Mycenax Continuous Processing.

Continuous Processing

Continuous manufacturing in biotech is evolution, not revolution. –FDA,2017

The current trend regarding continuous technology is mainly considered for either upstream continuous culture through improving the productivity from traditional perfusion system or downstream continuous purification by utilizing the capacity of column and resin life cycle in downsized scale.

Mycenax Continuous Processing integrates the upstream and downstream processes to a synchronizes module. The result shows, in the initial stage, the material cost can be saved more than 300% from resin and 40% time saving from traditional process. This module is suitable for clients who look for less initial expenditure with equivalent service and study materials delivered.

Quality Attribute in Process Monitoring

Promising result for MBI Jump

Directly Scale-up from 5L

Mab/cell/cultivator Cell Line C150

Quality – Glycan profile and Charge variants

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<th>Charge variants</th>
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<th>N</th>
</tr>
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<tr>
<td>Glycan profile</td>
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MBI Jump directly scale-up in one step

Continuous Processing

A time saving solution with a comparable product quality.

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Save 40% working time by adapting to continuous process

Traditional (Batch) Production

Next Generation (Continuous) Production

Protein A resin 2.33 l 0.95 l

Capto adhe 2.56 l 0.27 l

Column ID 200 mm/140 mm 32 mm X 14 pcs

Save >300% resin cost compared with traditional purification process