

# Sterile Filling and Lyophilization Area

Montréal, Québec



The project consisted in the preparation of a feasibility study, scope, and budget, followed by the supervision of design, construction, and validation for a 6,000 ft<sup>2</sup> extension to the sterile core area, and the creation of a new mechanical room for the support equipment and utilities.

The new production area featured gowning rooms, an automated vial washer located in a Grade C area, with a depyrogenation tunnel transferring the vials to the filling area. The filling zone consisted of a Grade A laminar airflow section featuring a 165 vial/min filling unit, automatic loader/unloader, lyophilization unit, and vial capper. Support utilities included all ventilation and monitoring systems, WFI storage and distribution system, and a pure steam generator and distribution system.

An additional autoclave and a depyrogenation oven were also installed within the existing sterile area as part of the project in order to support the increase in production volumes.

## CLIENT

Draxis Pharma

## LOCATION

Montréal, Québec

## YEARS

1998—1999

## PHASE

- Feasibility Study
- Supervision of:
  - Design
  - Construction
  - Validation

## COST

\$4,200,000 (CAD)