

# Preparative Freeze-drying System

## Description

Millrock MG85S10 Magnum Series ([More details](#))

## Location

Rm525B, Biotech Centre 2

## Features

- Scalable freeze-drying capacity from phase one research to clinical production and small volume production.
- Unattended freezing and/or drying cycle programs available.
- Determination of primary drying endpoint by using capacitance manometer.

### Control system

- PC/PLC with ethernet and remote Internet connectivity
- Manual and automatic operating modes
- Graphic and numeric data collection
- Automatic system and leak rate test

### Shelf system and condenser

- Up to 10 sq. ft. of shelf area with 316 L on all wetted parts
- Increased stoppering pressure (2 mL vials) for clinical production
- Exposed coil condenser for maximum efficiency
- With programmable hot gas generation for defrost every after use

### Refrigeration

- Reliable scroll compressors with CFC-Free refrigerants
- Oversized refrigeration components for high reliability
- Perform freeze-drying process without pre-frozen step

### Vacuum and system performance

- 375 LPM corrosion resistant vacuum pump with gas backfill standard
- Vacuum pull down to 100 mT in less than 20 minutes
- 10 shelf pull down from +20 to - 40 deg C in less than 40 minutes

### Opti-Dry® control software ([More details](#))

- Control automatic freeze-drying, defrosting, and system test
- Suitable for protocol development, small scale production, cycle automation and optimization

## Applications

- Tissue bank preparation and pilot scale production of lyophilized substances

## Contact

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