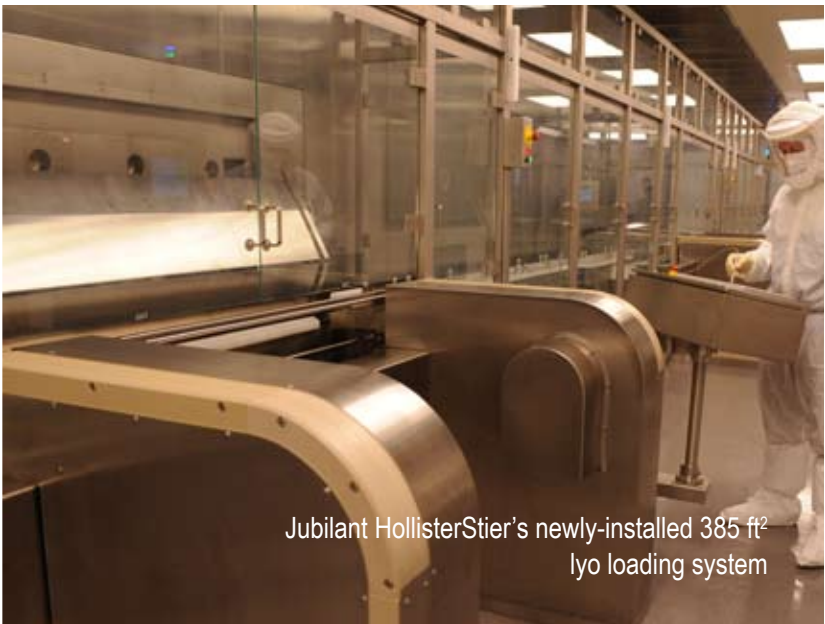




JUBILANT HOLLISTERSTIER

CONTRACT MANUFACTURING & SERVICES



Jubilant HollisterStier's newly-installed 385 ft² lyo loading system

Manufacturers of Lyophilized Products

...7 Minutes – fill to freeze

...Auto loading/unloading

...Clinical to commercial scale

...Lyophilizers from 30 ft² to 385 ft²

...1,500 ft² of combined shelf space

...Auto cold shelf load at -45°C (frost free)

...Newly-expanded, state-of-the-art facility

The team at Jubilant HollisterStier Contract Manufacturing & Services are experts in the manufacture of sterile injectables. One of our core capabilities is our lyophilization services — our facilities offer over 1,500 ft² of combined lyophilizer shelf space, automatic load/unload of vials, cold shelf loading capabilities down to -45°C, and 100% non-destructive container closure integrity testing for lyophilized product.

Jubilant HollisterStier offers these latest advances in lyophilization technology to ensure that your sterile injectable moves safely and smoothly from the cold shelf to the pharmacy shelf.

Helping people is what you do best. Let Jubilant HollisterStier take care of the details getting there.

Lyophilization

Jubilant HollisterStier offers clinical to commercial lyophilization services in 1,500 combined ft² of shelf space. We offer the latest advances in freeze-drying technology and provide a long history of manufacturing and regulatory expertise.

Newly-expanded

See our capabilities video
jublHS.com

Commercial

- Nearly 1,500 combined ft² of shelf space
- Automatic CIP and SIP
- Automatic vial load/unload
- -45°C cold shelf loading
- Up to 400 vials/minute
- Clinical to commercial size batches
- 385 ft², 240 ft², 220 ft², and 120 ft² chambers

Vial size	Quantity (max per batch)
2mL	153,000
3mL	114,000
10mL	82,000
30mL	36,000
100mL	14,000

Clinical Trial

- 30 ft² IMA Edwards Lyofast 3 Freeze Dryer
- Cold shelf loading at -45 °C
- Room dehumidification provided
- CIP and SIP
- 2mL to 100mL vials
- All hydraulic cylinders are protected/isolated
- RAID 5 PC providing increased data reliability and performance
- Automatic batch reports generated for:
 - Freeze drying
 - SIP and CIP
 - Defrost
 - Bellow leak rate
 - System leak rate



Clinical to Commercial Lyo:
3525 North Regal St.
Spokane, Washington
U.S.A. 99207

Commercial Lyo:
16751 Trans-Canada Hwy
Kirkland, QC, Canada
H9H 4J4

We Specialize in Multiple Services & Dosage Forms:

- ...Lyophilization
- ...Ophthalmics
- ...Solids (Tablets/Capsules)
- ...Clinical to Commercial Scale
- ...Fill/Finish of Sterile Injectables
- ...Sterile Solutions & Suspensions
- ...Sterile & Non-Sterile Creams/Ointments
- ...Vials, Ampoules, Bottles, Tubes, Capsules, Tablets

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