

SINGLE USE SUPPORT.

PIONEERING BIOPHARMA

SCALE

LAB
10 L

MID
100 L

LARGE
400 L

*Compatible with single-use bags &
bottles of all manufacturers*



RoSS.pFTU

Lab scale GMP

Plate-based lab freezer.

Fully automated.

Unrestricted scalability.

RoSS.pFTU

RoSS.pFTU Lab Scale GMP is the perfect solution for clinical studies conducted in labs and, above all, if you want to start a controlled, cGMP-compliant and scalable freezing process.

Based on plates, the freezing and thawing time is controlled and rapid.

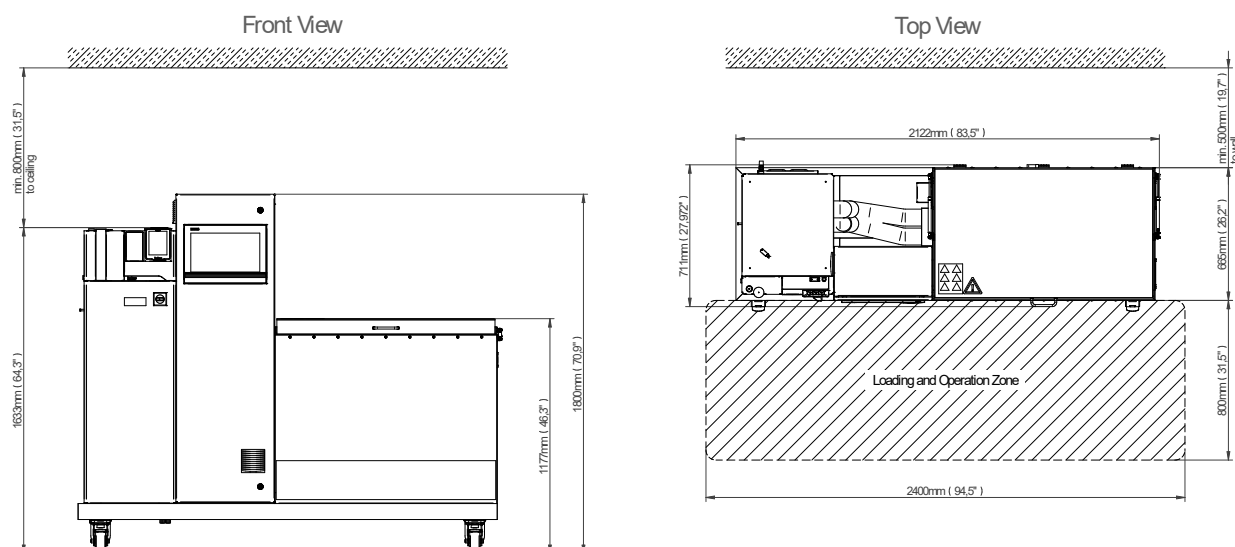
FREEZE-THAW YOUR DRUG SUBSTANCE

- Controlled freezing down to -80 °C
- In any single-use bag protected by RoSS shell or bottles up to 5 L
- With proven homogeneity when freezing bags & bottles
- At highest possible speed & accuracy



Designed for	any single-use bag protected by RoSS*
Single-use bags	2D bags from 10 mL to 10 L
Load	any single-use bags up to 5 L and various 10 L bags / 3x2 L bottles
Software	Siemens S7 standardized - DeltaV upon request
Unit dimensions (w x d x h)	2122 x 711 x 1800 mm / 83,5 x 27,97 x 70,9"
Temperature setpoint (nominal)	down to -80 °C
Cooling liquid	Thermooil
Net weight unit	approx. 600 kg
Sound pressure level +/- 4 dB (A)	64 dB (A)
Electricity	EU/CN: 400 V 3- 40A 50 Hz, US: 480 V 3- 35A 60 Hz
Min./max. ambient temperature	15 - 25 °C

*Available for any 2D single-use bag. Find more details in our RoSS product brochure.



RoSS.pFTU

HYBRID PLATE-BASED FREEZING & THAWING FOR BAGS AND BOTTLES

RoSS.pFTU Lab Scale Hybrid freezes and thaws drug substances in both single-use bioprocess containers and bottles. All in one: plate-based freezing of single-use bags, protected in RoSS shells, and air flow freezing of bottles control cold chain management of valuable liquids in both primary packagings from all manufacturers.



FREEZE-THAW YOUR DRUG SUBSTANCE

- Controlled freezing of bags & bottles, multiwell plates, vials, cartridges
- Highest homogeneity for all kind of primary packagings
- Suitable for up to 3 bottles of 2L
- Customized recipe development for sensitive products



Single Use Support offers a rental option for testing and exploring the ideal freezing of your product. Contact us for more details!