



## Technical Data Sheet

# MT Freezer 2.0

The MT Freezer 2.0 is an automatic freezer for bull semen made of stainless steel.

### Properties

- Highly efficient heat withdrawal from straws that is achieved by two robust, long lasting incorporated fans
- Gas flow is directed uniformly through the stacks of straws and provides homogenous temperature distribution
- Defined start- and end-temperature provide an optimal freezing curve for bull semen
- Short warm up duration of MT Freezer 2.0 (only a few minutes) contributes to an optimized work efficiency
- Two different temperatures can be set within a range from +5°C to -140°C
- Two versions of the MT Freezer 2.0 are available which differ by the LN2 pressure tank used

### Technical features

- Capacity: 12 racks (3 x 4)
  - 175 x 0.25 ml straws (total: 2100 straws)
  - 100 x 0.5 ml straws (total: 1200 straws)
- Outer dimensions 112 x 88 x 105 cm (W x H x D)
- Chamber dimensions: 76 x 64 x 30 cm (W x H x D)
- Electronic temperature control, digital temperature display, programmable start and end temperature
- Forced gas circulation by fans
- Temperature range: +5°C to -140°C
- Freezing time: 8 min (10 min for 0.5 ml straws)
- Power supply: 230 V/50 Hz (115 V/60 Hz upon demand, Frequency converter and transformer, Ref. 16813/1000 necessary)

MT Freezer 2.0

for 0.5 bar liquid nitrogen containers [REF.: 16813/0000](#)

for 1.5 bar liquid nitrogen containers [REF.: 16813/0015](#)

Liquid nitrogen container

pressurized to 0.5 bar, capacity 60 l [REF.: 16820/1900](#)

pressurized to 1.5 bar, capacity 120 l [REF.: 16150/0120](#)



### Accessories

Liquid nitrogen connecting hose,  
length 2.0 m

[REF.: 16812/0200](#)

Freezing rack Turbo  
for 175 x 0.25 ml straws

[REF.: 15040/0175](#)

for 100 x 0.5 ml straws

[REF.: 15040/0100](#)

Loading and counting block for freezing rack Turbo  
for 175 x 0.25 ml straws

[REF.: 15041/0175](#)

for 100 x 0.5 ml straws

[REF.: 15041/0100](#)

Straw pliers

for removal of frozen straws

[REF.: 16811/0100](#)

