



**GENEVA SCIENTIFIC**  
LAB EQUIPMENT SOLUTIONS

**-86 Twin Cool Ultra Low Freezer - UT20 Models**



Model	DW-86L578S(T,AT)
Exterior Dimensions (WxDxH)	35.2" x 39.3" x 78"
Interior Dimensions (WxDxH)	24.4" x 28.2" x 51.6"
Temp Range	-40°C ~ -86°C
Interior Capacity	20.4 cu.ft./578 L
Shelves/Inner doors	3/4
Sound Level (dB(A))	52
Defrost Mode	Manual

**Scope of Application**

\*The TwinCool ULT freezer can be used for the storage and protection of valuable samples which require strict and continuous storage conditions, designed to operate even in the event of a compressor failure

**Intelligent TwinCool Refrigeration System**

\*Two independent refrigeration systems are designed to ensure optimal reliability, longevity and efficiency.  
\*Depending on the load demands and ambient conditions, one or both refrigeration systems will operate on demand, ensuring the samples are fully protected under the worst possible condition.

**Energy Saving Refrigeration**

\*High efficiency cooling fans and compressors, combined with hydrocarbon refrigerants, ensure energy savings and long-term sample security

**Pressure Equalization Port**

\*Heated Pressure Equalization Port allows users to re-open the main door quickly after entering

**USB Interface**

\*Enables users to download historical temperature data for compliance/auditing purposes

**Multi-layer Sealing Structure**

\* Triple gaskets provide a tight seal between the inner doors and outer door, reducing heat gain and retaining the temperature better in the event of a power failure

**Microprocessor**

\* Microprocessor electronic temperature controller, LCD digital temperature display.  
\*Multiple alarms including high and low temperature, sensor error, power failure, door ajar, high ambient and remote alarm.  
\*Alarm mode: sound and light alarm.  
\*Capable of connecting to remote alarm.

**Improved Handle Design**

\*Lockable handle safeguards samples. A padlock can also be added for extra sample safety

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### Fast Cabinet Pull Down

\*Takes only 250 mins to cool from +25°C ambient to -80°C and provides excellent recovery times after door openings

### Electrical Requirements

\*120/60V or 208-230/60V (Consult Geneva Scientific for electrical requirements and amperage draw)

### Shelves

\*Three (3) stainless steel adjustable shelves (23.7" W x 27.7"D) with max capacity of 88.2 lbs per shelf

### Options

#### \*Smart Full-size Touch Screen

\*10-inch touch screen with state-of-the-art user interface design, coupled with a sample management system which provides an optimal user experience.

#### \*Simplified Sample Management Experience

\*Barcode scanner for simple, effortless and precise identification. Input and retrieve samples with higher precision and efficiency

#### \*Wireless Monitoring Connectivity

\*Check real-time operating status via mobile phone or palmtop, simple and reliable



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Specifications are subject to change without notice.  
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