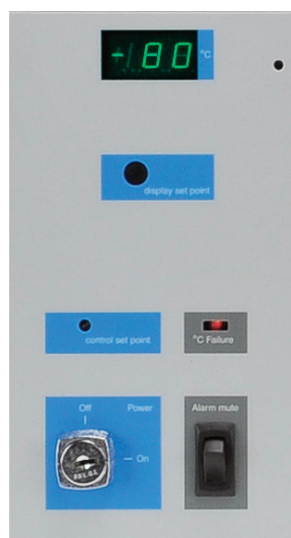


# Thermo Scientific -80°C Benchtop Freezers

Ultra-low temperatures in a ultra-compact size for clinical trial and other applications.



## Benchtop design

- Ideal for personal or clinical trial applications, our benchtop freezer offers a full 1 cu. ft. (28L) capacity

## Operating temperatures

- Temperature range: -50°C to -80°C
- Air-cooled refrigeration systems are engineered to maintain design temperatures in warm 32°C ambient conditions

## Control system

- Solid-state control system with adjustable temperature setpoint
- Digital temperature display resolution to 1°C
- Push-button setpoint display
- Key-operated main power switch

## Alarm system

- Integrated preset over-temperature safety alarm with battery back-up and audible warning of temperature deviation
- Exterior alarm contacts for connection to remote monitoring system

## Cabinet construction

- Compact, 25.2" x 30.7" (64 x 78 cm) footprint
- Industrial-grade hermetically sealed refrigeration compressors
- 4" (10.2 cm) foamed-in-place, CFC-free urethan insulation to protect product against high ambient conditions
- All-steel cabinet with high-impact epoxy finish for easy cleaning
- Heavy-duty counter-balanced lid with key lock
- Thermal interior sublid

## Thermo Scientific -80°C Benchtop Freezers

Cat. No.	Capacity cu. ft. (L)	Electrical	Amps/Breaker (Plug)	Interior Dimensions H x D x W in. (cm)	Exterior Dimensions H x D x W in. (cm)	Shipping Weight lbs. (kg)
13-989-128	1 (28)	115 V, 60 Hz 1Ø	12/15 (P2)	9.6 x 12 x 15.3 (24.5 x 30.5 x 38.7)	20 x 25.2 x 30.7 (50.8 x 64 x 70.1)	147 (67)

### Optional Thermo Scientific Smart-Vue Wireless Monitoring Solution

Thermo Scientific™ Smart-Vue™ wireless monitoring solution safeguards sample integrity by continuously monitoring critical parameters and securely logging data to give you peace of mind. This wireless solution features audit trail traceability to assist with conformance to 21 CFR part 11, and other regulatory requirements.

- Intelligent plug and play simplicity
- Intuitive dashboard
- Flexible operation
- Precise monitoring
- Data traceability and security
- Numerous configuration capabilities
- Central monitoring system – scalable

### Optional Accessories

Cat. No.	Description
<b>2" Boxes (5 cm), 5" x 5" (12.7 x 12.7 cm)</b>	
11-678-24A	Fiberboard cryo box, 2" high, 12 qty, 0 dividers
13-994-070	Fiberboard cryo box, 2" high, 1 qty, 81 dividers
82-010-9	Fiberboard cryo box, 2" high, 1 qty, 100 dividers
<b>3" Boxes (8 cm), 5" x 5" (12.7 x 12.7 cm)</b>	
11-678-24B	Fiberboard cryo box, 3" high, 12 qty, 0 dividers
13-994-071	Fiberboard cryo box, 3" high, 1 qty, 81 dividers
<b>Fiberboard Grid Dividers</b>	
11-678-24C	12 qty, 10 x 10, 0.49" cell, holds 100 12mm vials
13-994-104	1 qty, 10 x 10, 0.49" cell, holds 100 12mm vials
13-989-218	12 qty, 9 x 9, 0.54" cell, holds 81 13mm vials
13-994-095	1 qty, 9 x 9, 0.54" cell, holds 81 13mm vials
13-992-33	12 qty, 8 x 8, 0.61" cell, holds 64 14mm vials
13-994-092	1 qty, 8 x 8, 0.61" cell, holds 64 14mm vials
11-678-26D	12 qty, 7 x 7, 0.7" cell, holds 49 16mm vials
13-994-091	1 qty, 7 x 7, 0.7" cell, holds 49 16mm vials
13-994-085	1 qty, 5 x 5, 0.98" cell, holds 25 vials
13-994-081	1 qty, 4 x 4, 1.22" cell, holds 16 vials
<b>Cryo Gloves</b>	
13-262-783	Cryo gloves, small
13-262-784	Cryo gloves, medium
13-262-785	Cryo gloves, large



\* Must be installed by a qualified professional.

© 2013 Thermo Fisher Scientific Inc. All rights reserved. All trademarks are the property of Thermo Fisher Scientific Inc. and its subsidiaries. Specifications, terms and pricing are subject to change. Not all products are available in all countries. Please consult your local sales representative for details.



For customer service, call 1-800-766-7000.  
To fax an order, use 1-800-926-1166.  
To order online: [www.fishersci.com](http://www.fishersci.com)



Part of Thermo Fisher Scientific