

# NEW! Thermo Scientific™ TLE Series Ultra-Low Freezers

Dependable -80°C storage with  
energy-savings and sustainability features

- **Low peak variation** helps ensure sample protection throughout entire cabinet
- **Fast door opening recovery** in as little as 13 minutes
- **0.93°C steady-state temperature** variation over time
- **Long warm-up time** from -80°C to -50°C in 5 hours
- **Four capacities:** 300, 400, 500 and 600 2-inch box



## Designed to keep your samples safe

- Worry-free storage. With low peak variation, samples are protected throughout the entire cabinet.<sup>1</sup>
- Records temperature and events
- Backed by our Global Service and Support Team

## Limit environmental impact and lower HVAC costs

- Uses as low as 9.4 kWh/day, depending on size
- Less heat emission lowers HVAC costs
- SNAP compliant, natural hydrocarbon refrigerants
- Environmentally-friendly, water-blown foam insulation is compliant with SNAP
- Manufactured in an award-winning, zero-waste to landfill facility

## User-friendly and quiet

- Completely new freezer and user interface.
- Quiet enough to reside directly in the laboratory. At just 50 dBA, the sound is comparable to a home refrigerator.<sup>2</sup>

1. Typical freezer data based on internal testing with freezer setpoint at -80°C and ambient temperature at 20°C. Performance data varies across freezer size and electrical specifications.

2. All data based on internal data unless otherwise noted. Data on file.

## User friendly touch-screen interface and cabinet

- Easy-to-use** set-up wizard, event log, temperature mapping and data downloads
- Capacitive touch** even when using latex gloves
- Touch-screen datalogging and temperature mapping**  
eliminates the need for a separate chart recorder
- Built-in USB port** for exporting data
- Advanced security features:** alarm settings, padlock-compatible doors and optional access card entry
- Ergonomic design:** comfortable door handle, eye-level touch-screen and shelf-level placement that do not require floor-level loading of racks
- Four inner doors** minimize ambient temperature during sample retrieval



## Specifications & Ordering Information

Upright Freezers (-50°C to -86°C)								
Model Number	Capacity		Electrical	Amps / Breaker (Plug)	Max. Shelf Weight lbs (kg)	Interior Dimensions H x W x D in (cm)	Exterior Dimensions H x W* x D in (cm)	Shipping Weight lbs (kg)
	cu. ft. (liters)	2" cryobox						
TLE30086A	14.9	300	115V / 60Hz	12.6/20 (NEMA 5-20)	125	51.2 x 17.8 x 28.3	78.0 x 23.0 x 37.6	712
TLE30086D	(422)		208-230V / 60Hz	5.6/15 (NEMA 6-15)	(57)	(130.1 x 45.2 x 71.9)	(198.1 x 58.4 x 95.5)	(323)
TLE40086A	19.4	400	115V / 60Hz	13.0/20 (NEMA 5-20)	165	51.2 x 23.1 x 28.3	78.0 x 28.3 x 37.6	687
TLE40086D	(549)		208-230V / 60Hz	5.9/15 (NEMA 6-15)	(75)	(130.1 x 58.8 x 71.9)	(198.1 x 71.9 x 95.5)	(312)
TLE50086A	24.1	500	115V / 60Hz	12.5/20 (NEMA 5-20)	205	51.2 x 28.8 x 28.3	78.0 x 34.0 x 37.6**	734
TLE50086D	(682)		208-230V / 60Hz	5.0/15 (NEMA 6-15)	(93)	(130.1 x 73.0 x 71.9)	(198.1 x 86.4 x 95.5)	(333)
TLE60086A	28.8	600	115V / 60Hz	12.7/20 (NEMA 5-20)	245	51.2 x 34.4 x 28.3	78.0 x 39.6 x 37.6**	820
TLE60086D	(816)		208-230V / 60Hz	6.2/15 (NEMA 6-15)	(111)	(130.1 x 87.3 x 71.9)	(198.1 x 100.6 x 95.5)	(372)

\* Allowance for handle and hinge, add 4.2 in (10.7 cm) to cabinet width

\*\* Doorway width clearance is 34.5 in (87.6 cm) for TLE50086 and TLE60086



### Performance Data

Model Number	Energy Consumption (kW-hr/day)* Standard Mode	Peak Variation from -80°C setpoint (°C)**	Door Opening Recovery (minutes)	Warm Up Time (-80°C to -50°C) (minutes)***	Noise Level (dBA)
TLE30086	9.4	+8.5 / -2.4	13	254	52
TLE40086	9.8	+8.7 / -1.2	15	262	52
TLE50086	10.8	+6.6 / -1.0	21	258	50
TLE60086	11.5	+6.5 / -0.8	26	300	50

\* Energy Calculation: Typical freezer data based on internal testing with freezer setpoint at -80°C and ambient temperature at 20°C

\*\* Peak Variation From Setpoint: Typical freezer data based on internal testing with freezer setpoint at -80°C and ambient temperature at 20°C

\*\*\* Warm Up Time: Typical freezer data based on internal testing with freezer setpoint at -80°C and ambient temperature at 20°C

Find out more at [thermofisher.com/cold](http://thermofisher.com/cold)

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# Thermo Scientific™ TLE Series Ultra-Low Freezers

## Options and Accessories (Field Installed must be installed by a qualified professional)

Options	Installation	TLE30086	TLE40086	TLE50086	TLE60086
<b>LN2 Backup System</b> Maintains temperature down to -80°C with liquid nitrogen. Models for TLE300 are stand alone.	Factory Installed	N/A	LN4567	LN4567	LN4567
	Field Installed	FLN300A* FLN300D**	FLN4567LE	FLN4567LE	FLN4567LE
<b>CO2 Backup System</b> Maintains temperature down to -67°C with CO2. Models for TLE300 are stand alone.	Factory Installed	N/A	CO4567	CO4567	CO4567
	Field Installed	FCO300A* FCO300D**	FCO4567LE	FCO4567LE	FCO4567LE
<b>Chart Recorder (Inkless)</b> 6" (15.2 cm), seven day inkless recorder, -115° to +50°C, +5°C resolution	Factory Installed	N/A	CR4567	CR4567	CR4567
	Field Installed	N/A	FCR400LE	FCR500LE	FCR600LE
<b>Chart Recorder (Ink)</b> 6" (15.2 cm), seven day inkless recorder, -115° to +50°C, +5°C resolution	Factory Installed	N/A	CRP4567	CRP4567	CRP4567
	Field Installed	6383-6A* 6393-6D**	FCRP400LE	FCRP500LE	FCRP600LE
<b>Access Key Option Card</b> Access control. Includes five key cards. Supports ISO15693 and ISO14443 protocols.	Factory Installed	RAC34567	RAC34567	RAC34567	RAC34567
	Field Installed	FAC34567LE	FAC34567LE	FAC34567LE	FAC34567LE
<b>Stainless Steel Freezer Interior</b>	Factory Installed	SS34567	SS34567	SS34567	SS34567
<b>Twist Lock Plug</b> NEMA L5-20P for 115V / 60Hz	Factory Installed	US125V20ATL	US125V20ATL	US125V20ATL	US125V20ATL
	Field Installed	TL125V20A	TL125V20A	TL125V20A	TL125V20A
<b>Twist Lock Plug</b> NEMA L6-15P for 208-230V / 60Hz	Factory Installed	US230V15ATL	US230V15ATL	US230V15ATL	US230V15ATL
	Field Installed	TL230V15A	TL230V15A	TL230V15A	TL230V15A
<b>Twist Lock Plug</b> NEMA L6-20P for 208-230V / 60Hz	Factory Installed	US230V20ATL	US230V20ATL	US230V20ATL	US230V20ATL
	Field Installed	TL230V20A	TL230V20A	TL230V20A	TL230V20A
Accessories		TLE30086	TLE40086	TLE50086	TLE60086
<b>Access Key Pack (U.S.):</b> Includes five key cards. Supports ISO15693 protocol		ACU34567	ACU34567	ACU34567	ACU34567
<b>Shelf Kit:</b> Includes one shelf and shelf support clips		SK300	SK400	SK500	SK600
<b>Chart Paper Ink</b> (Pack of 50)		17020	17020	17020	17020
<b>Chart Paper Inkless</b> (Pack of 50)		N/A	6185	6185	6185
<b>Replacement Air Filter</b>		AF34567LE	AF34567LE	AF34567LE	AF34567LE
<b>Replacement Back-Up Battery</b>		400159	400159	400159	400159
<b>Alarm Delay Module:</b> Eliminates nuisance alarms due to intermittent or transitory conditions. Adjustable delay requires alarm condition to exist for user defined period before signal is released to monitoring system.		6903	6903	6903	6903
<b>Cryo Gloves Medium</b>		4425	4425	4425	4425
<b>Cryo Gloves Large</b>		4426	4426	4426	4426
<b>Seismic Restraint Kit</b>		TF-ULT300	TF-ULT400	TF-ULT500	TF-ULT600

\* A = 115V/60Hz (NEMA 5-20 plug)

\*\* D = 208-230V/60Hz (NEMA 6-15 plug)

Find out more at [thermofisher.com/cold](http://thermofisher.com/cold)

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# Thermo Scientific™ TLE Series Ultra-Low Freezers

## Packages

TLE Series with two shelves of sliding drawer racks, including boxes					
Model No.	Capacity Freezer	Cubic Feet	Electrical, 60Hz	# of Racks	# of Boxes*
TLE30086ARAK	300 box	14.9	115V	6	150
TLE30086DRAK	300 box	14.9	208-230V	6	150
TLE40086ARAK	400 box	19.4	115V	8	200
TLE40086DRAK	400 box	19.4	208-230V	8	200
TLE50086ARAK	500 box	24.1	115V	10	250
TLE50086DRAK	500 box	24.1	208-230V	10	250
TLE60086ARAK	600 box	28.8	115V	12	300
TLE60086DRAK	600 box	28.8	208-230V	12	300

TLE Series with LN2 back-up, two shelves of sliding drawer racks, including boxes					
Model No.	Capacity Freezer	Cubic Feet	Electrical, 60Hz	# of Racks	# of Boxes*
TLE30086ARAKLN	300 box	14.9	115V	6	150
TLE30086DRAKLN	300 box	14.9	208-230V	6	150
TLE40086ARAKLN	400 box	19.4	115V	8	200
TLE40086DRAKLN	400 box	19.4	208-230V	8	200
TLE50086ARAKLN	500 box	24.1	115V	10	250
TLE50086DRAKLN	500 box	24.1	208-230V	10	250
TLE60086ARAKLN	600 box	28.8	115V	12	300
TLE60086DRAKLN	600 box	28.8	208-230V	12	300

TLE Series with factory-installed CO2 back-up, two shelves of sliding drawer racks, including boxes					
Model No.	Capacity Freezer	Cubic Feet	Electrical, 60Hz	# of Racks	# of Boxes*
TLE30086ARAKCO	300 box	14.9	115V	6	150
TLE30086DRAKCO	300 box	14.9	208-230V	6	150
TLE40086ARAKCO	400 box	19.4	115V	8	200
TLE40086DRAKCO	400 box	19.4	208-230V	8	200
TLE50086ARAKCO	500 box	24.1	115V	10	250
TLE50086DRAKCO	500 box	24.1	208-230V	10	250
TLE60086ARAKCO	600 box	28.8	115V	12	300
TLE60086DRAKCO	600 box	28.8	208-230V	12	300

TLE Series with factory-installed chart recorder, two shelves of sliding drawer racks, including boxes					
Model No.	Capacity Freezer	Cubic Feet	Electrical, 60Hz	# of Racks	# of Boxes*
TLE30086ARAKCR	300 box	14.9	115V	6	150
TLE30086DRAKCR	300 box	14.9	208-230V	6	150
TLE40086ARAKCR	400 box	19.4	115V	8	200
TLE40086DRAKCR	400 box	19.4	208-230V	8	200
TLE50086ARAKCR	500 box	24.1	115V	10	250
TLE50086DRAKCR	500 box	24.1	208-230V	10	250
TLE60086ARAKCR	600 box	28.8	115V	12	300
TLE60086DRAKCR	600 box	28.8	208-230V	12	300

TLE Series with factory-installed access card, two shelves of sliding drawer racks, including boxes					
Model No.	Capacity Freezer	Cubic Feet	Electrical, 60Hz	# of Racks	# of Boxes*
TLE30086ARAKHID	300 box	14.9	115V	6	150
TLE30086DRAKHID	300 box	14.9	208-230V	6	150
TLE40086ARAKHID	400 box	19.4	115V	8	200
TLE40086DRAKHID	400 box	19.4	208-230V	8	200
TLE50086ARAKHID	500 box	24.1	115V	10	250
TLE50086DRAKHID	500 box	24.1	208-230V	10	250
TLE60086ARAKHID	600 box	28.8	115V	12	300
TLE60086DRAKHID	600 box	28.8	208-230V	12	300

\*2-inch fiberboard boxes with 100-count cell dividers

Find out more at [thermofisher.com/cold](http://thermofisher.com/cold)

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# Thermo Scientific™ TLE Series Ultra-Low Freezers

## Racks for Boxes and Microplates

Racks for 2" (5.08 cm) Boxes							
Model No.	Description	Dimensions H x W x D in. (cm)	Storage	TLE300	TLE400	TLE500	TLE600
920090	Sliding Drawer Rack	11.9 x 5.5 x 26.9 (30.2 x 14 x 68.3)	Boxes Per Rack	25	25	25	25
			Racks Per Shelf	3	4	5	6
			Racks Per Freezer	12	16	20	24
			Boxes Per Freezer	300	400	500	600
1950520	Adjustable Side Access Rack	11.6 x 5.4 x 26.75 (29.5 x 13.7 x 67.9)	Boxes Per Rack	25	25	25	25
			Racks Per Shelf	3	4	5	6
			Racks Per Freezer	12	16	20	24
			Boxes Per Freezer	300	400	500	600

Racks for 3" (7.62 cm) Boxes							
Model No.	Description	Dimensions H x W x D in. (cm)	Storage	TLE300	TLE400	TLE500	TLE600
920091	Sliding Drawer Rack	11.9 x 5.5 x 26.9 (30.2 x 14 x 68.3)	Boxes Per Rack	15	15	15	15
			Racks Per Shelf	3	4	5	6
			Racks Per Freezer	12	16	20	24
			Boxes Per Freezer	180	240	300	360

Racking Shelf Kits					
Description	Storage	TLE300	TLE400	TLE500	TLE600
Sliding Drawer Racks and 2" Boxes with 100 Count Cell Dividers (fits one shelf)	Model No.	RSK300SD4	RSK400SD4	RSK500SD4	RSK600SD4
	Racks Included	3	4	5	6
	Boxes Included	75	100	125	150

Racks for Microplates							
Model No.	Description	Dimensions H x W x D in. (cm)	Storage	TLE300	TLE400	TLE500	TLE600
1950592	Side Access Rack with Locking Rod for Standard or Deepwell	11.9 x 5.5 x 25.7 (30.2 x 14 x 65.3)	Plates Per Rack	147	147	147	147
			Racks Per Shelf	3	4	5	6
			Racks Per Freezer	12	16	20	24
			Plates Per Freezer	1764	2352	2940	3528

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## Thermo Scientific™ TLE Series Ultra-Low Freezers

## Boxes and Dividers

Model No.	Description	# of Dividers	Quantity	Color
5026-0909	Thermo Scientific™ Nalgene™ polycarbonate 2" (5.08 cm) box for 1.2-2.0 mL vials	81	24	white
5954	2" (5.08 cm) fiberboard box	0	12	white
820002	2" (5.08 cm) fiberboard box	81	1	white
820109	2" (5.08 cm) fiberboard box	100	1	white
5956	3" (7.62 cm) fiberboard box	0	12	white
820003	3" (7.62 cm) fiberboard box	81	1	white
1950878	2" (5.08 cm) fiberboard box	0	12	multiple
1950879	2" (5.08 cm) fiberboard box	0	12	pink
1950880	2" (5.08 cm) fiberboard box	0	12	red
1950881	2" (5.08 cm) fiberboard box	0	12	yellow
1950882	2" (5.08 cm) fiberboard box	0	12	green
1950883	2" (5.08 cm) fiberboard box	0	12	blue
1950884	2" (5.08 cm) fiberboard box	0	12	black

## Fiberboard Dividers

Model No.	Description	Quantity/Case
5958	Grid dividers for 100 12mm vials	12
6212	Grid dividers for 81 13mm vials	12
5960	Grid dividers for 64 14mm vials	12
5959	Grid dividers for 49 16mm vials	12

## Vials and Tubes

Model No.	Description	Quantity/Case
377267	Thermo Scientific™ Nunc™ 1.8mL screw-top round-bottom vials with internal threading	1,800

Visit [thermofisher.com](http://thermofisher.com) for additional vials, tubes and sample storage consumables

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# Thermo Scientific™ TLE Series Ultra-Low Freezers

## Sliding Drawer Racks for Matrix and Cryobank Tubes

		Freezer Model	TLE300	TLE400	TLE500	TLE600
200 µL Capacity Tubes						
3747, 3748, 4988	Thermo Scientific™ Matrix™ 200 µL 2D Internally-threaded Universal Tubes  Box Dimension: 3.365 x 5.03 x 1.082 in. (8.5 x 12.8 x 2.75 cm)	Rack Model No	1950787	1950787	1950787	1950787
		Freezer Rack Dimensions W x H x D	5.5 x 11.9 x 26.96 in. (14 x 30.3 x 68.5 cm)	5.5 x 11.9 x 26.96 in. (14 x 30.3 x 68.5 cm)	5.5 x 11.9 x 26.96 in. (14 x 30.3 x 68.5 cm)	5.5 x 11.9 x 26.96 in. (14 x 30.3 x 68.5 cm)
		Tubes per Box	96	96	96	96
		Boxes Per Rack	56	56	56	56
		Racks Per Shelf	3	4	5	6
		Racks Per Freezer	12	16	20	24
		Tubes Per Freezer	64,512	86,016	107,520	129,024
500 µL Capacity Tubes						
3734, 3735, 4898	Thermo Scientific Matrix 500 µL 2D Open Top Tubes  Box Dimension: 3.365 x 5.03 x 1.022 in. (8.5 x 12.8 x 2.6 cm)	Rack Model No	1950787	1950787	1950787	1950787
		Freezer Rack Dimensions W x H x D	5.5 x 11.9 x 26.96 in. (14 x 30.3 x 68.5 cm)	5.5 x 11.9 x 26.96 in. (14 x 30.3 x 68.5 cm)	5.5 x 11.9 x 26.96 in. (14 x 30.3 x 68.5 cm)	5.5 x 11.9 x 26.96 in. (14 x 30.3 x 68.5 cm)
3736, 3737, 4899	Thermo Scientific™ Matrix™ 200 µL 2D with Duraseals Installed  Internally-threaded Universal Tubes  Box Dimension: 3.365 x 5.03 x 1.082 in. (8.5 x 12.8 x 2.75 cm)	Tubes per Box	96	96	96	96
		Boxes Per Rack	56	56	56	56
		Racks Per Shelf	3	4	5	6
		Racks Per Freezer	12	16	20	24
		Tubes Per Freezer	64,512	86,016	107,520	129,024
374086, 374087 (including color options)	Thermo Scientific Nunc™ Cryobank™ 500 µl Internally Threaded Tubes  Box Dimension: 3.365 x 5.03 x 1.394 in. (8.5 x 12.8 x 3.5 cm)	Rack Model No	1950791	1950791	1950791	1950791
		Freezer Rack Dimensions W x H x D	5.5 x 11.9 x 26.96 in. (14 x 30.3 x 68.5 cm)	5.5 x 11.9 x 26.96 in. (14 x 30.3 x 68.5 cm)	5.5 x 11.9 x 26.96 in. (14 x 30.3 x 68.5 cm)	5.5 x 11.9 x 26.96 in. (14 x 30.3 x 68.5 cm)
3743, 3744, 3745 (including color options)	Thermo Scientific Matrix 500 µL 2D Internally Threaded ScrewTop Tubes  Box Dimension: 3.365 x 5.03 x 1.745 in. (8.5 x 12.8 x 4.4 cm)	Tubes per Box	96	96	96	96
		Boxes Per Rack	42	42	42	42
		Racks Per Shelf	3	4	5	6
		Racks Per Freezer	12	16	20	24
		Tubes Per Freezer	48,384	64,512	80,640	96,768

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# Thermo Scientific™ TLE Series Ultra-Low Freezers

## Sliding Drawer Racks for Matrix and Cryobank Tubes

		Freezer Model	TLE300	TLE400	TLE500	TLE600
750 µL Capacity Tubes						
3731, 3732, 4896	Thermo Scientific Matrix 750 µL 2D Open Top Tubes  Box Dimension: 3.365 x 5.03 x 1.55 in. (8.5 x 12.8 x 3.9 cm)	Rack Model No	1950791	1950791	1950791	1950791
		Freezer Rack Dimensions W x H x D	5.5 x 11.9 x 26.96 in. (14 x 30.3 x 68.5 cm)	5.5 x 11.9 x 26.96 in. (14 x 30.3 x 68.5 cm)	5.5 x 11.9 x 26.96 in. (14 x 30.3 x 68.5 cm)	5.5 x 11.9 x 26.96 in. (14 x 30.3 x 68.5 cm)
3729, 4896	Thermo Scientific Matrix 750 µL 2D Tubes with Duraseals Installed  Box Dimension: 3.365 x 5.03 x 1.55 in. (8.5 x 12.8 x 3.9 cm)	Tubes per Box	96	96	96	96
		Boxes Per Rack	42	42	42	42
		Racks Per Shelf	3	4	5	6
		Racks Per Freezer	12	16	20	24
		Tubes Per Freezer	48,384	64,512	80,640	96,768
1.0 mL Capacity Tubes						
374088, 374089 (including color options)	Thermo Scientific Nunc Cryobank 1.0 mL Internally Threaded Tubes  Box Dimension: 3.365 x 5.03 x 1.92 in. (8.5 x 12.8 x 4.9 cm)	Rack Model No	1950642	1950642	1950642	1950642
		Freezer Rack Dimensions W x H x D	5.5 x 11.9 x 26.96 in. (14 x 30.3 x 68.5 cm)	5.5 x 11.9 x 26.96 in. (14 x 30.3 x 68.5 cm)	5.5 x 11.9 x 26.96 in. (14 x 30.3 x 68.5 cm)	5.5 x 11.9 x 26.96 in. (14 x 30.3 x 68.5 cm)
		Tubes per Box	96	96	96	96
		Boxes Per Rack	35	35	35	35
		Racks Per Shelf	3	4	5	6
		Racks Per Freezer	12	16	20	24
		Tubes Per Freezer	40,320	53,760	67,200	80,640
3740, 3741, 3742 (including color options)	Thermo Scientific Matrix 1.0mL 2D Internally Threaded ScrewTop Tubes  Box Dimension: 3.365 x 5.03 x 2.3 in. (8.5 x 12.8 x 5.8 cm)	Rack Model No	1950799	1950799	1950799	1950799
		Freezer Rack Dimensions W x H x D	5.5 x 11.9 x 26.96 in. (14 x 30.3 x 68.5 cm)	5.5 x 11.9 x 26.96 in. (14 x 30.3 x 68.5 cm)	5.5 x 11.9 x 26.96 in. (14 x 30.3 x 68.5 cm)	5.5 x 11.9 x 26.96 in. (14 x 30.3 x 68.5 cm)
		Tubes per Box	96	96	96	96
		Boxes Per Rack	28	28	28	28
		Racks Per Shelf	3	4	5	6
		Racks Per Freezer	12	16	20	24
		Tubes Per Freezer	32,256	43,008	53,760	64,512

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# Thermo Scientific™ TLE Series Ultra-Low Freezers

## Sliding Drawer Racks for Matrix and Cryobank Tubes

		Freezer Model	TLE300	TLE400	TLE500	TLE600
1.4 mL Capacity Tubes						
3791, 3792, 4890	Thermo Scientific Matrix 1.4ml 2D Open Top Tubes  Box Dimension: 3.365 x 5.03 x 1.92 in. (8.5 x 12.8 x 4.9 cm)	Rack Model No	1950642	1950642	1950642	1950642
		Freezer Rack Dimensions W x H x D	5.5 x 11.9 x 26.96 in. (14 x 30.3 x 68.5 cm)	5.5 x 11.9 x 26.96 in. (14 x 30.3 x 68.5 cm)	5.5 x 11.9 x 26.96 in. (14 x 30.3 x 68.5 cm)	5.5 x 11.9 x 26.96 in. (14 x 30.3 x 68.5 cm)
3801, 4890	Thermo Scientific Matrix 1.4mL 2D Tubes with Duraseals Installed  Box Dimension: 3.365 x 5.03 x 1.92 in. (8.5 x 12.8 x 4.9 cm)	Tubes per Box	96	96	96	96
		Boxes Per Rack	35	35	35	35
3711, 3112, 4890	Thermo Scientific Matrix 1.4ml Human Readable Open Top Tubes Installed  Box Dimension: 3.365 x 5.03 x 1.92 in. (8.5 x 12.8 x 4.9 cm)	Racks Per Shelf	3	4	5	6
		Racks Per Freezer	12	16	20	24
		Tubes Per Freezer	40,320	53,760	67,200	80,640
1.8 to 2.0 mL Capacity Tubes						
374500, 374501	Thermo Scientific Nunc 1.8 mL Externally-threaded Universal Tubes  Box Dimension: 3.365 x 5.03 x 2.15 in. (8.5 x 12.8 x 5.5 cm)	Rack Model No	1950642	1950642	1950642	1950642
		Freezer Rack Dimensions W x H x D	5.5 x 11.9 x 26.96 in. (14 x 30.3 x 68.5 cm)	5.5 x 11.9 x 26.96 in. (14 x 30.3 x 68.5 cm)	5.5 x 11.9 x 26.96 in. (14 x 30.3 x 68.5 cm)	5.5 x 11.9 x 26.96 in. (14 x 30.3 x 68.5 cm)
374221, 374223	Thermo Scientific Nunc Cryobank 2.0 ml Internally Threaded Tubes  Box Dimension: 3.365 x 5.03 x 2.15 in. (8.5 x 12.8 x 5.5 cm)	Tubes per Box	48	48	48	48
		Boxes Per Rack	35	35	35	35
		Racks Per Shelf	3	4	5	6
		Racks Per Freezer	12	16	20	24
		Tubes Per Freezer	20,160	26,880	33,600	40,320
5.0 mL Capacity Tubes						
374220, 374222	Thermo Scientific Nunc Cryobank 5.0 ml Internally Threaded Tubes  Box Dimension: 3.365 x 5.03 x 3.78 in. (8.5 x 12.8 x 9.6 cm)	Rack Model No	1950819	1950819	1950819	1950819
		Freezer Rack Dimensions W x H x D	5.5 x 11.9 x 26.96 in. (14 x 30.3 x 68.5 cm)	5.5 x 11.9 x 26.96 in. (14 x 30.3 x 68.5 cm)	5.5 x 11.9 x 26.96 in. (14 x 30.3 x 68.5 cm)	5.5 x 11.9 x 26.96 in. (14 x 30.3 x 68.5 cm)
		Tubes per Box	48	48	48	48
		Boxes Per Rack	21	21	21	21
		Racks Per Shelf	3	4	5	6
		Racks Per Freezer	12	16	20	24
		Tubes Per Freezer	12,096	16,128	20,160	24,192

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