

thermo scientific

A new way
to shake, rotate,
and mix it up



Thermo Scientific Benchtop Shakers

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Thermo Scientific™ Benchtop Shakers are robust enough for everyday use yet provide precise sample agitation for all your applications. With a broad range of digital speed and time settings, you can be confident that your sample will shake, mix, or pulse at the desired rate every time.

Regardless of your application need, you'll be able to set your sample agitation parameters and move on to your next task, helping to bring increased efficiency to your lab.



Product highlights

- Models designed for a variety of controlled agitations, including shaking, rocking, waving rotation, touch vortex mixing, and more.
- Newer models come standard with digital controls and upgrades that allow for increased sample mixing
- Adjustable tilt angles by digital control — no additional tools needed
- Robust body and standard rubber feet ensure shakers stay in place on the lab bench

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Digital Microplate Shaker

Stable and accurate microplate shaking with standard and enlarged platforms — shakes up to 6 microplates at a time



Thermo Scientific™ Digital Microplate Shakers are developed for precise and accurate shaking of microplates for immunoassay, screening, magnetic bead, and other applications.

Key Features

- Orbit diameter: 2.5mm
- Digital speed and time displays
- Speed range: 150 to 1,200rpm
- Speed control:
 - ≤299rpm: ±1rpm
 - 300 to 1,200rpm: ±2rpm
- Timer range: up to 99 hr. 59 min
- Large platform capacity: 6 x 96-well plates
- Maximum load: 4kg (lb.)

Includes standard platform with 6 clamps (88882115) installed; holds 4 microplates.
 Warranty: 2 years | Certifications: cCSAus, CE

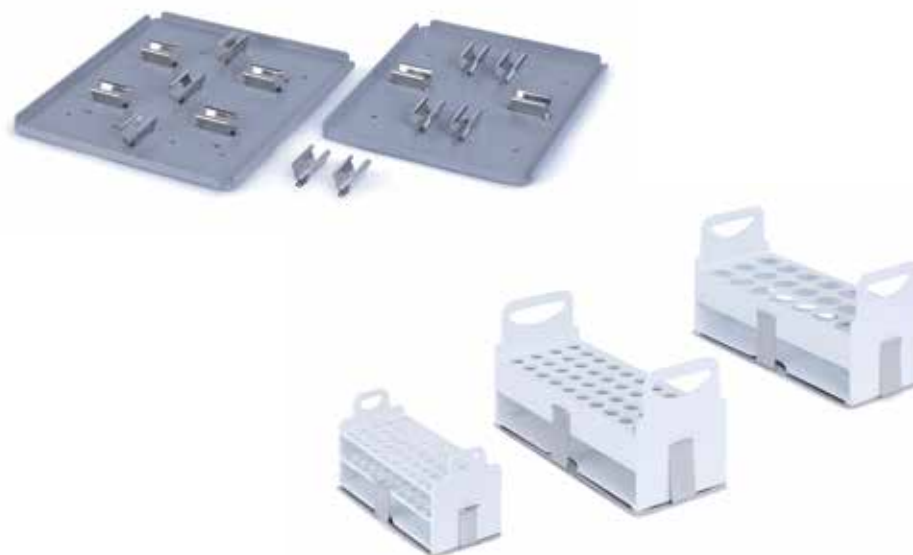


Digital Microplate Shaker shown with Thermo Scientific Clamp for 96-well Microplates.

Product	Electrical Requirements	Tray Dimensions	Overall Dimensions D x W x H	Weight	Plug Type	Catalog Number
Digital Microplate Shaker	100 to 240V, 50/60Hz	27.5 x 23.5cm (10.8 x 9.3 in.)	38.3 x 26 x 14.5cm (15.1 x 10.2 x 5.7 in.)	12.8kg (28.2 lb.)	120V USUP	88882005
Digital Microplate Shaker						230V EU/UK/CHN

Accessories

Product and Description	Quantity	Catalog Number
Large Platform (holds 6 microplates)	Each	88882114
Clamp for 96-well microplate	Each	88882115
Large Assembly Platform	Each	88882116
Tube Rack, 50 x 11mm (1.5mL)	Each	88882117
Tube Rack, 40 x 18mm (1.5mL)	Each	88882118
Tube Rack, 21 x 30mm (50mL)	Each	88882119
Screw, GB/T819.1, 4 x 8, 4/pack	Each	88882130
Screw, GB/T819.1, 5 x 10, 4/pack	Each	88882131
Screw, GB/T9074.4, 3 x 6, 2/pack	Each	88882132
Power Adapter with US plug	Each	88870126
Power Adapter with AUS/CN plug	Each	88870127
Power Adapter with EU plug	Each	88870128
Power Adapter with UK plug	Each	88870129



Digital Microplate Shaker accessories shown include Large Assembly Platform and Large Platform that hold up to 6 microplates (top), and Tube Racks holding 21, 40, and 50 tubes respectively (bottom).

Digital Vortex Mixer

Accurately controls speed for
continuous or pulse sample mixing



The Thermo Scientific™ Digital Vortex Mixer is designed for a wide variety of applications.

Key Features

- Digital speed and time displays
- Continuous and touch modes
- Speed range: 200 to 3,000rpm
- Speed accuracy:
 - 200 to 1,500rpm: ±5%
 - 1,500 to 3,000rpm: ±10%
- Rapid acceleration to maximum rpm
 - Touch: 1,500rpm in 3 seconds
 - Continuous: 3,000rpm in 6 seconds
- Countdown timer (up to 99 minutes)
- Maximum load: 0.5kg at 800rpm



Includes rubber platform (Cat. No. 88882120). Other accessories sold separately.
Warranty: 2 years | Certifications: cCSAus, CE

Product	Electrical Requirements	Overall Dimensions D x W x H	Weight	Plug Type	Catalog Number
Digital Vortex Mixer	100 to 240V, 50/60Hz	20.5 x 15.1 x 13.1cm (8.1 x 5.9 x 5.2 in.)	6.1kg (13.5 lb.)	120V US/UP	88882009
Digital Vortex Mixer				230V EU/UK/ CHN	88882010

Digital Vortex Mixer shown with platform for flat-bottom vessels.

Accessories

Product and Description	Mode	Recommended Maximum Speed	Quantity	Catalog Number
Rubber Platform	Touch/continuous	3,000rpm	Each	88882120
Platform for flat-bottomed vessels	Touch/continuous	3,000rpm	Each	88882121
Microplate Tray	Continuous	1,200rpm	Each	88882122
Tube Holder: 19 x 10mm	Continuous	2,000rpm	Each	88882123
Tube Holder: 13 x 12mm	Continuous	1,800rpm	Each	88882124
Tube Holder: 12 x 15mm	Continuous	1,000rpm	Each	88882125
Tube Holder: 7 x 20mm	Continuous	1,000rpm	Each	88882126
Tube Holder: 4 x 26mm	Continuous	900rpm	Each	88882127
Multi-Power Adapter, 220V	—	—	Each	88870124
Power Adapter, 120V	—	—	Each	88870125



Vortex Mixer Plugs and Optional Platforms

MaxiMix Vortex Mixer

Choose continuous operation
or touch-on mode for fast,
uniform mixing



The Thermo Scientific™ MaxiMix™ Vortex Mixer is designed for enzymatic and RIA assays, general test tube mixing, biochemical assays, viral dilutions preparations, precipitated assays, cell suspension vortexing, and tissue sample mixing.

Key Features

- For single or multiple tubes or small closed flasks
- Simultaneously mixes up to four test vessels
- Top-mounted push-button ON/OFF switch
- Vary vortex speed by changing the tube pressure against the foam rubber top
- Durable, white plastic case resists acids and alkalis
- Cast-aluminum base with suction-cup rubber feet for stability
- Compact design; 4 in. diameter (10.2cm) foam rubber top
- Speed up to 3,000rpm



MaxiMix Vortex Mixer

Includes one extra foam top (PT167X2), 3-wire power cord, and plug.

Warranty: 90 days labor; one year parts and labor | Certifications: CE listed (230V models)

Product	Electrical Requirements	Overall Dimensions D x W x H	Weight	Plug Type	Catalog Number
MaxiMix Vortex Mixer	120-240V 50/60Hz	13.9 x 13.9 x 10.6cm (5.5 x 5.5 4.2 in.)	1.5kg (3.5 lb.)	120V USUP	M16715Q
MaxiMix Vortex Mixer	120-240V 50/60Hz			230V EU/UK/CHN	M16710-33Q

Digital Waving Rotator

360° orbital waving rotator for efficient sample mixing with accurate speed control and easy angle adjustment



The Thermo Scientific™ Digital Waving Rotator is designed for ELISA, protein synthesis, gel staining and de-staining gels, antibody staining, and other time-sensitive applications.

Key Features

- Digital speed and time displays
- Adjustable angle: 1° to 12°
- Speed range: 5 to 120rpm
- Speed control:
 - ≤30rpm: ±1rpm
 - >30rpm: ±2rpm
- Timer range: up to 99 hr. 59 min
- Capacity: 6 x 96-well plates
- Maximum load: 9.8kg (22 lb.)



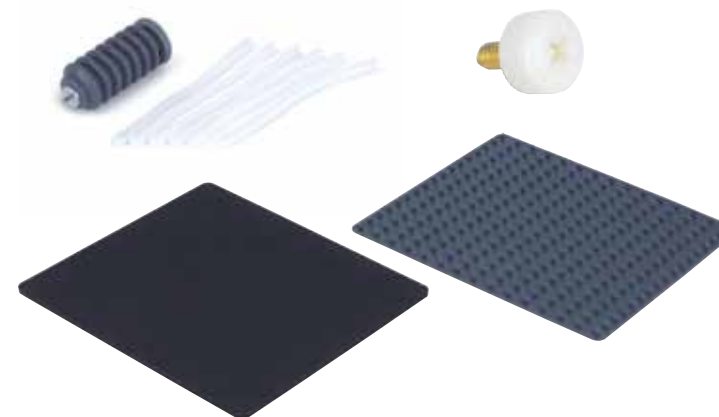
Includes Dimpled Rubber Mat (88882102), Rubber Strips (88882103, 6/Pack).
Use optional Rubber Mat (88882101) for plates, dishes, culture bottles, and bags.
Warranty: 2 years | Certifications: CE

Digital Waving Rotator shown with Thermo Scientific™ Nunc™ Test Tubes on a Thermo Scientific Rubber Mat. Nunc Test Tubes sold separately.

Product	Electrical Requirements	Tray Dimensions	Overall Dimensions D x W x H	Weight	Plug Type	Catalog Number
Digital Waving Rotator	100 to 240V, 50/60Hz	31.6 x 27.6 x 1.9cm (12.4 x 10.9 x 0.7 in.)	38.3 x 29.5 x 22.4cm (15.1 x 11.6 x 8.8 in.)	13.5kg (29.8 lb.)	120V USUP	88882003
Digital Waving Rotator					230V EU/UK/CHN	88882004

Accessories

Product and Description	Quantity	Catalog Number
Rubber Mat, 32.2 x 28.2cm (12.7 x 11.1 in)	Each	88882101
Dimpled Rubber Mat, 32.2 x 28.2cm (12.7 x 11.1 in)	Each	88882102
Rubber Strips	6/pack	88882103
Replacement Rubber Tube	Each	88882128
Screw for Rubber Strips	8/Pack	88882129
Power Adapter with US plug	Each	88870126
Power Adapter with AUS/CN plug	Each	88870127
Power Adapter with EU plug	Each	88870128
Power Adapter with UK plug	Each	88870129



Waving Rotator accessories shown include: Replacement Rubber Tube and Rubber Strips (upper left), Screw for Rubber Strips (upper right), Rubber Mat and Dimpled Rubber Mat (lower left and right).

Digital Mini Rotator

Provides smooth and accurate orbital mixing of various lab vessels



The Thermo Scientific™ Digital Mini Rotator is designed for culturing bacteria and fungi, hybridization assays, and gel staining and de-staining.

Key Features

- Orbit diameter: 10mm
- Speed range: 50 to 500rpm
- Speed control:
 - ≤100rpm: ±1rpm
 - 101 to 500rpm: ±1%
- Continuous operation or timer modes
- Maximum load: 4.5kg at 300rpm



Includes Universal Aluminum Platform (88882105). Multi-platform options available for loading vessels of all sizes.
 Warranty: 2 years | Certifications: cCSAus, CE

Digital Mini Rotator shown with Thermo Scientific Flask Clamp – set of 6 500mL clamps with flasks. Flasks sold separately.

Product	Electrical Requirements	Tray Dimensions	Overall Dimensions D x W x H	Weight	Plug Type	Catalog Number
Digital Mini Rotator	100 to 240V, 50/60Hz	31 x 28.4cm (12.2 x 11.2 in.)	38.3 x 28.4 x 13cm (15.1 x 11.2 x 5.1 in.)	14.4kg (31.8 lb.)	120V USUP	88882007
Digital Mini Rotator					230V EU/UK/CHN	88882008

Accessories

Product and Description	Quantity	Catalog Number
Universal Attachment	Each	88882104
Universal Platform, aluminum	Each	88882105
Flack Clamp, 50mL, max: 20 per platform	Each	88882106
Flask Clamp, 100/125mL, max: 8 per platform	Each	88882107
Flask Clamp, 250mL, max: 8 per platform	Each	88882108
Flask Clamp, 500mL, max: 6 per platform	Each	88882109
Flask Clamp, 1000mL, max: 4 per platform	Each	88882110
Flask Clamp, 2000mL, max: 2 per platform	Each	88882111
Sticky Mat, 14 x 14cm	Each	88882112
Flat Platform with rubber mat	Each	88882113
Tube Rack, 50 x 11mm (1.5mL tubes)	Each	88882117
Tube Rack, 40 x 18mm (1.5mL tubes)	Each	88882118

Product and Description	Quantity	Catalog Number
Tube Rack, 21 x 30mm (50mL tubes)	Each	88882119
Screw, GB/T819.1, 4 x 8	4/pack	88882130
Screw, GB/T819.1, 5 x 10	4/pack	88882131
Screw, GB/T9074.4, 5 x 10	6/pack	88882133
Power Adapter with US plug	Each	88870126
Power Adapter with AUS/CN plug	Each	88870127
Power Adapter with EU plug	Each	88870128
Power Adapter with UK plug	Each	88870129



Digital Mini Rotator accessories shown include (from left to right) Universal Attachment, Clamps, Universal Platform.

MultiTube Rotators

Three-dimensional rotation



Thermo Scientific™ MultiTube Rotators are designed for hematology, blood chemistry, DNA extractions, and other laboratory applications where a continuous, gentle motion is necessary.

Key Features

- Circular motion and combined rocking pattern reduces the potential for shearing or other damage
- Fixed speed: 30rpm
- Rotation angle: variable — 20° from horizontal
- Compact size can be used in smaller spaces
- Portable, lightweight metal body is durable and easy to clean
- Four rubber feet for added stability
- No need for racks or clamps — platform side walls and removable dimpled silicone pad (included) hold tubes in place
- Temperature and humidity range: ambient: 15° to 40°C (59° to 104°F); 20 to 80% RH non-condensing



MultiTube Rotator shown with test tubes (sold separately).

Warranty: 90 days labor (North America only); one year parts | Certifications: 240V model is CE listed

Product	Tube Capacity	Load Capacity	Electrical Requirements	Mixing Surface	Overall Dimensions D x W x H	Weight	Plug Type	Catalog Number
MultiTube Rotator	14 x 7, 10 or 15mL	1.4 kg (31 lb.)	120V 60Hz, 0.3A	13 x 22cm (5.3 x 8.8 in.)	21 x 22 x 18cm (8.5 x 8.8 x 8.1 in.)	3.6kg (8 lb.)	120V US/UP	4632Q
MultiTube Rotator			240V 50Hz, 0.2A				230V EU/UK/ CHN	4632-1CEQ

Cel-Gro Tissue Culture Rotator

Brushless no-maintenance motor provides a gentle rotating motion for optimum results



The Thermo Scientific™ Cel-Gro Tissue Culture Rotator is designed for cell culture.

Key Features

- Adjustable angle and speed
- Durable and corrosion-resistant powder-coated stainless-steel outer body construction
- Adjust elevation angle using a screw on the base
- Pilot light indicates when unit is ON
- Speed range: 12 to 70rpm
- Temperature and humidity range: up to 40°C (104°F); 20 to 80% non-condensing

Required accessories: One drum (sold separately)

Warranty: 90 days labor (North America only); one year parts | Certifications: cCSAus approved



Cel-GroTissue Culture Rotator assembled with Thermo Scientific Rotator Drum Accessory and tubes (sold separately).

Product	Electrical Requirements	Overall Dimensions D x W x H	Weight	Plug Type	Catalog Number
Cel-Gro Tissue Culture Rotator	120V 60Hz, 0.5A	38.1 x 35.6 x 57.2cm (15 x 14 x 22.5 in.)	9kg (19 lb.)	120V USUP	1640Q

Accessories

Product	Capacity	Catalog Number
Rotator Drum	142 x 17mm tubes	1647Q
Rotator Drum	76 x 26mm tubes	1648Q
Rotator Drum	60 x 30mm tubes	1651Q

Digital Rocker

Digital display, large platform, speed control, and rapid angle adjustment for reliable sample agitation



The Thermo Scientific™ Digital Rocker is designed for ELISA, protein synthesis, gel staining and de-staining, antibody staining, and other time-sensitive applications.

Key Features

- Digital speed and time displays
- Adjustable rocking angle: 1° to 15°
- Speed range: 1 to 70rpm
- Speed control:
 - ≤50rpm: ±1rpm
 - >50rpm: ±2rpm
- Timer range: continuous or 1 min. to 99 hr. 59 min.
- Capacity: 6 x 96-well plates
- Maximum load: 4.5kg at ≤50rpm



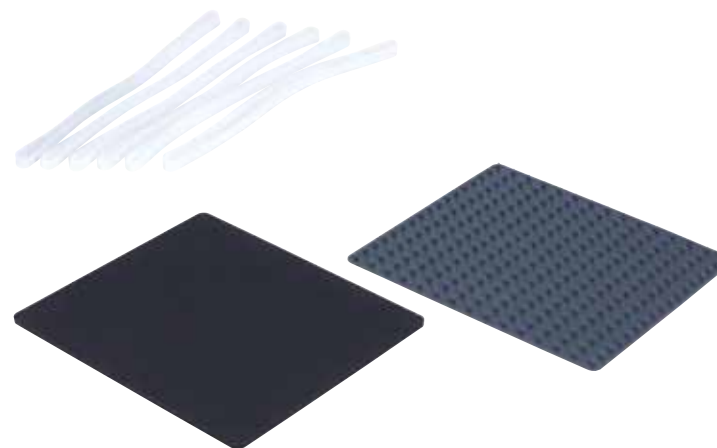
Includes Dimpled Rubber Mat (88882102) and Rubber Strips (88882103, 6/Pack). Optional non-slip rubber mat tray is designed for carrying plates, dishes, culture bottles, and bags. Warranty: 2 years | Certifications: cCSAus, CE

Digital Rocker shown with flasks on top of a Thermo Scientific Dimpled Rubber Mat. Flasks sold separately.

Product	Electrical Requirements	Tray Dimensions D x W x H	Overall Dimensions D x W x H	Weight	Plug Type	Catalog Number
Digital Rocker	100 to 240V, 50/60Hz	32.2 x 28.2 x 1.9cm (12.7 x 11.1 x 0.7 in.)	39 x 29.2 x 20.6cm (15.4 x 11.5 x 8.1 in.)	13.5kg (29.8 lb.)	120V USUP	88882001
Digital Rocker					230V EU/UK/CHN	88882002

Accessories

Product and Description	Quantity	Catalog Number
Rubber Mat, 32.2 x 28.2cm (12.7 x 11.1 in)	Each	88882101
Dimpled Rubber Mat, 32.2 x 28.2cm (12.7 x 11.1 in)	Each	88882102
Rubber Strips	6/pack	88882103
Power Adapter with US plug	Each	88870126
Power Adapter with AUS/CN plug	Each	88870127
Power Adapter with EU plug	Each	88870128
Power Adapter with UK plug	Each	88870129



Thermo Scientific Rubber Strips (top), Rubber Mat (bottom left), and Dimpled Rubber Mat (bottom right).

Vari-Mix Platform Rocker

Provides steep angle rocking



The Thermo Scientific™ Vari-Mix™ Platform Rocker is designed for applications such as hybridization, blotting and staining, or destaining gels.

Key Features

- Built-in timer
- Large, white nonskid rubber mixing platform allows easy content viewing and removes easily for cleaning
- Easy-to-clean chemical-resistant finishes
- Optional double-tier platform for increased capacity
- Speed range: 5 to 30rpm
- Rocking angle: 1° to 48°
- Timer range: up to 2 hr. (60Hz); up to 3 hr. (50Hz)
- Load capacity: 6.8kg (15 lb.)
- Temperature range: 4° to 40°C (39.2° to 104°F)
- Operation humidity range: 20 to 80% non-condensing



Includes 3-wire cord and plug; 240V model also includes European cord set.
Warranty: 90 days labor (North America only); one year parts

Vari-Mix Platform Rocker with Double-Tier Platform attached (flasks and containers sold separately).

Product	Electrical Requirements	Platform Dimensions	Overall Dimensions D x W x H	Weight	Plug Type	Catalog Number
Vari-Mix Platform Rocker	120V 50/60Hz, 0.10A, 12W	32 x 26.9cm (12.6 x 10.6 in.)	30.4 x 39.6 x 18.5cm (12 x 15.6 x 7.3 in.)	2.7kg (6 lb.)	US	M79735Q

Accessories

Product	Description	Catalog Number
Double-Tier Platform	32 x 26.9cm (12.6 x 10.6 in.)	AY797X1

Vari-Mix and Speci-Mix Test Tube Rockers

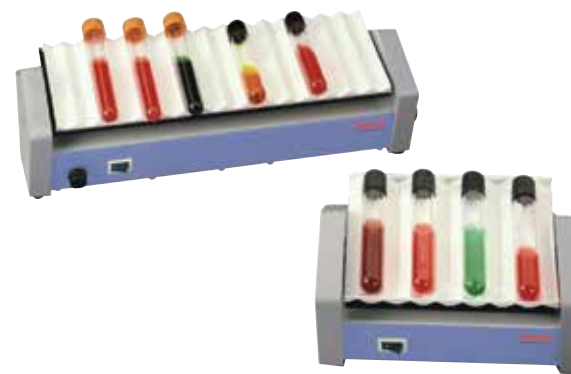
Compact, precision-controlled
platform mixers provide smooth
rocking action and uniform
suspensions



Thermo Scientific™ Vari-Mix™ and Speci-Mix™ Test Tube Rockers are designed for uniform specimen suspension.

Key Features

- Choose fixed or adjustable speeds
- Hold tubes with diameters of 10 to 30mm, including blood collection tubes
- Reversible lipped white silicon pad (included); one side for 110mm (4.33 in.) tubes, longer tubes on reverse
- Autoclavable white silicone rubber pad for enhanced viewing
- Temperature and humidity range: ambient: 4° to 40°C (39.2° to 104°F); 20 to 80% RH non-condensing



Warranty: 90 days labor (North America only); one year parts | Certifications: CE listed (240V models only)

Product	Capacity	Speed	Rocking Angle	Electrical Requirements	Overall Dimensions D x W x H	Weight	Plug Type	Catalog Number
Speci-Mix Test Tube Rocker	8 x 10 to 20mm; 3 x 22 to 30mm	18rpm, fixed	48°, fixed	120-240V 50/60Hz	13.9 x 19.1 x 10.7cm (5.5 x 7.5 x 4.3 in.)	1.4kg (3 lb.)	120V USUP 230V EU/UK/CHN	M71015Q
								M71010-33Q
Vari-Mix Test Tube Rocker	16 x 10 to 20mm; 7 x 22 to 30mm	2 to 20rpm	Adjustable: 1° to 48°	120-240V 50/60Hz	13.9 x 38.1 x 10.7cm (5.5 x 15 x 4.3 in.)	2.6kg (5.8 lb.)	120V USUP 230V EU/UK/CHN	M48725Q
								M48720-33Q

Digital Bottle/ Tube Roller

Maximize valuable bench space with our compact, adjustable speed unit, capable of rolling multiple tube and bottle sizes



The Thermo Scientific™ Digital Bottle/Tube Roller is designed for cell culture, hybridization assays, liquid mixing, and bioproduction.

Key Features

- LED roller speed display
- Roller speed: 1 to 80rpm
- Number of rollers: six standard; add up to 11
- Timing range: continuous or 0 to 999 minutes
- Optional remote control operation
- Anti-corrosive and wear-resistant construction for use in humid and CO₂ environments
- Stacking bars let you stack two units high to save valuable bench space



Includes O-rings for smooth rolling of 15 or 50mL tubes.
Warranty: 2 years | Certifications: CE, cCSAus

Two Digital Bottle/Tube Rollers assembled with accessory Bars for Stacking.
Thermo Scientific Nunc Tubes and Bottles (displayed) sold separately.

Product	Electrical Requirements	Roller Dimensions	Overall Dimensions D x W x H	Weight	Plug Type	Catalog Number
Digital Bottle/Tube Roller	100V-240V, 50Hz 60Hz	28 x 259mm (1.1 x 10.2 in.)	378 x 360 x 72mm (14.9 x 14.2 x 2.8 in.)	6.5kg (14.3 lb.)	US	88881003
Digital Bottle/Tube Roller						Various

Accessories

Product and Description	Quantity	Catalog Number
Additional Rollers	2/pack	88881010
O-Ring for 50mL Tubes, 23.5 x 3.55mm (0.93 x 0.14 in.)	20/pack	88881011
O-Ring for 15mL Tubes, 13.2 x 2.65mm (0.52 x .1 in.)	20/pack	88881012
Bars for Stacking	4/pack	88881013
Remote Control	Each	88881014



Digital Bottle/Tube Roller accessories displayed include O-Rings (upper left), Bars for Stacking (upper right), Remote Control (bottom).

Digital Tube Revolver

Small footprint, flexible design, and simple display help increase utility



The Thermo Scientific™ Digital Tube Revolver is designed for molecular biology, clinical, and biochemistry applications.

Key Features

- Interchangeable rotisseries to accommodate different tube sizes
- Paddles can be adjusted from 0 to 90 degrees
- Choose agitation mode; agitation will occur at every 40 degrees in the rotation cycle
- Small footprint, plug-and-play simplicity
- Maintenance-free motor, quiet operation
- Rotation speed: 10 to 40rpm
- Operating temperature: 4 to 60°C

Paddles included:

- For 7 x 10/15mL tubes (2)
- For 7 x 5mL/7mL tubes (2)
- For 15 x 1.5mL/2mL tubes (2)
- For 21 0.5mL/0.8mL tubes (2)
- For 6 x 50mL tubes (1)

Warranty: 2 years | Certifications: cCSAus, CE



Digital Tube Revolver shown with Paddle for 10 or 15mL tubes (front) and Paddle for 21 0.5mL or 0.8mL tubes (rear). Thermo Scientific Nunc Tubes (displayed) sold separately.

Product	Electrical Requirements	Overall Dimensions D x W x H	Weight	Plug Type	Catalog Number
Digital Tube Revolver, 120V	100V-240V, 50Hz-60Hz	225 x 154 x 195mm (8.9 x 6 x 7.7 in.)	1.2kg (2.65 lb.)	US	88881001
Digital Tube Revolver, 120V				Various	88881002

Accessories

Product and Description	Quantity	Catalog Number
Paddles for 10mL/15mL tubes	2/pack	88881005
Paddles for 5mL/7mL tubes	2/pack	88881006
Paddles for 1.5mL/2mL tubes	2/pack	88881007
Paddles for 0.5mL/0.8mL tubes	2/pack	88881008
Paddle for 50mL tubes	Each	88881009



Digital Tube Revolver Paddles



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Find out more at thermofisher.com/benchtopshakers

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