

microplates

for drug discovery | 418-463

Superior performance in virtually every application.

The quality and breadth of the Thermo Scientific line of microplates, microplate accessories and microplate sealers are unmatched in the industry. Researchers around the world rely on our 55 years of experience manufacturing Thermo Scientific Nunc microplates, and regard Nunc™ as the quality standard by which all microplates are measured. Whether you're culturing individual cell lines or scaling up for high-throughput screening, or anything in between – there's a Nunc microplate for your needs.

The range of Thermo Scientific adhesive seals, heat seals and heat sealers offers reliable options for maintaining the integrity of your plate contents, allowing you to store your samples confidently. For added assurance in tracking stored samples, rely on Nunc custom barcoding to simplify your tracking and inventory management.

With so many variables in your research, don't let consumables get in the way of progress. Choose only Thermo Scientific products – the most reliable microplates and accessories available.

- ▶ For an online guide to help you select the best plate for your research, visit:
[thermoscientific.com/plateguide](https://www.thermoscientific.com/plateguide)



sample integrity

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► Thermo Scientific Nunc BioAssay Dishes Square



Nunc™ Square BioAssay Dish is useful as an incubation chamber for *in-situ* hybridization and suitable for agar diffusion assays.

Used for culturing of bacteria and fungi and also as a moisture chamber for incubation of Nunc MicroWell™ Plates

details

- Optically-clear
- Large growth area
- Low profile design fits robotic instruments
- Designed for genomic screening and colony picking
- Untreated
- Sterile
- Supplied with lid

Nunc BioAssay Dishes

Cat. No.	Description	Working Volume, mL	L x W x H, mm	Working Vol., mL	Surface Area	No. per Pack	No. per Case
240835	Standard Height BioAssay Dish	225	245 x 245 x 25	225	500 cm ²	4	16
240845	Low Profile BioAssay Dish	215	241 x 241 x 20	215	478 cm ²	5	20



► Thermo Scientific Nunc Rectangular Dishes



Nunc™ Rectangular Dishes have ANSI standard dimensions and are optimized for robotics.

The non-treated surface is ideal for molecular biology applications.

details

Rectangular Dishes 1-, 4- and 8-well

- 1-well dish is ideal for HTS Petri dish applications
- 4- and 8-well dishes are ideal for assay compartmentalization, probe multiple gene sub-set
- 4-well dish holds four glass slides for storage

1-Well Format

- Convenient plate format for cell culture
- HTS Petri dish applications

4- and 8-Well Formats

- Assay compartmentalization
- Probe multiple gene subsets
- Wash Western blot strips
- 4-well dish holds four glass slides
- Useful in all areas of cell culture, including scale-up and cloning

Ordering Information: Customized bar coding is available.

Compliance: All Nunc microplates meet the recommendation of American National Standards Institute (ANSI).

Nunc Rectangular Dishes

Cat. No.	Total Vol., μ L	Wells	L x W, mm	Sterile	Lid	No. per Pack	No. Per Case
267060	90	1	128 x 86	Yes	Yes	10	100
267061	22	4	128 x 86	Yes	Yes	10	100
267062	11	8	128 x 86	Yes	Yes	10	100

► Thermo Scientific Nunc OmniTray



Nunc™ OmniTrays are ideal for screening libraries, DNA hybridization, standard petri dish techniques and bacterial growth.

details

- Clear polystyrene has excellent optical properties making it ideal for optical measurements and colony counting
- Untreated polystyrene is hydrophobic and is suited for growth of suspension cultures that can proliferate and grow without attachment
- Untreated surfaces are ideal for adding coatings in your lab
- Cell Culture Treated: The Nunclon™ Delta cell culture treated surface is a hydrophilic surface that promotes cell attachment and growth
- Optical clarity makes colonies easy to see
- Can be frozen at -20°C

Nunc OmniTray acts as:

- Holder for membrane when dot blotting
- Container for hybridization and washing steps
- Storage container for membranes

Recommended for: Dot blotting, denaturation/hybridization/washing, bacterial growth, membrane storage.

Compliance: All Nunc microplates meet the recommendation of American National Standards Institute (ANSI).

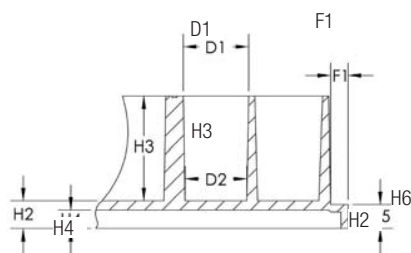
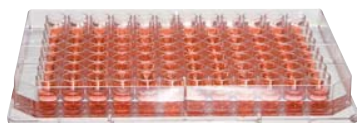
Nunc OmniTray

Cat. No.	Surface	Well Design	Color	Total Vol., µL	Working Vol., mL	Sterile	Lid	No. per Pack	No. Per Case
140156*	Cell Culture	Rectangular	Clear	90	35	Yes	Yes	10	90
165218	Cell Culture	Rectangular	Clear	90	35	Yes	Yes	10	60
242811	Non-Treated	Rectangular	Clear	90	35	Yes	Yes	10	60
264728	Non-Treated	Rectangular	Clear	90	35	Yes	Yes	10	90

* Enhanced rectangular area ideal for automated picking and viewing system

► For custom barcoded plates, visit
www.thermoscientific.com/barcodeconfigurator

► Thermo Scientific Nunc Edge 96-Well Plate



	mm
Total height of plate	14.4
H2 Vertical distance from inside well bottom to resting plane	3.0
H3 Inside depth of well	11.4
H4 Vertical distance from external well bottom to resting plane	2.0
H5 Height of flange on the short side	2.6
D1 Well diameter, top	7.1
D2 Well diameter, bottom	6.7
F1 Depth of flange	1.9

The Nunc™ Edge plate has a unique design that minimizes plate evaporation.

Fill each moat section with 1.7 mL sterile water or media; the large evaporation buffer zones eliminate well-to-well variability while dramatically reducing the overall evaporation rate to <2% after 7 days of incubation. In addition to the evaporation barrier, the Edge plate is engineered for optical superiority allowing your automated imaging systems to operate efficiently.

details

- Clear polystyrene has excellent optical properties making it ideal for optical measurements
- Untreated polystyrene is hydrophobic and is suited for growth of suspension cultures that can proliferate and grow without attachment.
- Untreated surfaces are ideal for adding coatings in your lab
- Cell Culture Treated: The Nunclon Delta cell culture treated surface is a hydrophilic surface that promotes cell attachment and growth
- Customized bar coding is available
- Working volume: 50-250 µL/well

Reduced Edge Effect

- Virtually eliminates evaporation in lengthy incubations
- Use all 96 wells with fewer concerns of edge effect

Low Evaporation Permits Full-plate Results

- Unique design minimizes plate evaporation
- Large evaporative buffer zones eliminate well-to-well variability
- Overall plate evaporation rate reduced to >2% after seven days of incubation
- Perimeter moat can be filled with 1.7 mL sterile H₂O or media
- Total well volume: 400 µL

Optical Properties are Critical

- Clear plates are engineered for optical superiority
- Low background fluorescence
- Extreme well flatness
- Ideal for image-based high content applications like measuring primary neuron cultures

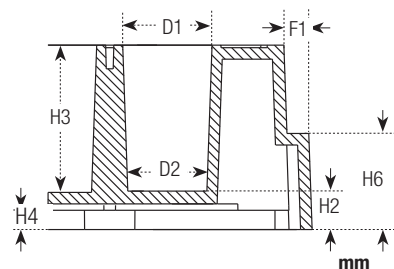
Compliance: All microplates manufactured by Nunc meet the recommendation of American National Standards Institute (ANSI).

Nunc Edge 96-Well Plate

Cat. No.	Surface	Well Design	Color	Total Vol., µL	Sterile	Lid	No. per Pack	No. Per Case
167311	Cell Culture	96 F	Clear	400	Yes	No	10	160
167314	Cell Culture	96 F	Clear	400	Yes	Yes	1	50
267312	Non-treated	96 F	Clear	400	No	Yes	10	160
267313	Non-treated	96 F	Clear	400	Yes	Yes	1	50

► For custom barcoded plates, visit
www.thermoscientific.com/barcodeconfigurator

► Thermo Scientific Nunc MicroWell 96-Well Microplates



	Total height of plate	14.4 ± 0.2
H2	Vertical distance from inside well bottom to resting plane	3.0
H3	Inside depth of well	11.4
H4	Vertical distance from external well bottom to resting plane	1.9
H5	Height of flange on the short side	2.4
H6	Height of flange on the long side	7.4
D1	Well diameter, top	7.0
D2	Well diameter, bottom	6.2
F1	Depth of flange	1.7

Nunc™ Flat Bottom 96-well polystyrene plates are optimized for robotics, automated readers and liquid handling systems.

96-well microplates are used for antibiotic screens, cell-based assays and screening compounds. The flat bottom shape is ideal for microscopic and optical measurements. Our plates are high quality for consistent and reliable results.

details

- Clear polystyrene has excellent optical properties making it ideal for optical measurements
- Untreated polystyrene is hydrophobic and is suited for growth of suspension cultures that can proliferate and grow without attachment
- Untreated surfaces are ideal for adding coatings in your lab
- Cell Culture Treated: The Nunclon™ Delta cell culture treated surface is a hydrophilic surface that promotes cell attachment and growth
- Plates are optimized for robotics, plate readers and liquid handlers
- Working volume: 50-250 µL/well

Compliance: All Nunc microplates meet the recommendation of American National Standards Institute (ANSI).

Nunc MicroWell 96-Well Microplates

Cat. No.	Surface	Well Design	Color	Total Vol., µL	Sterile	Lid	No. per Pack	No. Per Case
145387	Low Cell Binding	96 F	Clear	400	irradiated	Yes	1	8
152038	Collagen I	96 F	Clear	400	--*	Yes	5	20
152039	Poly-D-Lysine	96 F	Clear	400	--*	Yes	5	20
156545	Cell Culture	96 F	Clear	400	Yes	No	10	180
161093	Cell Culture	96 F	Clear	400	Yes	Yes	10	160
167008	Cell Culture	96 F	Clear	400	Yes	Yes	1	50
168055	Cell Culture	96 F	Clear	400	Yes	No	1	50
174897	UpCell	96 F	Clear	400	Yes	Yes	1	8
174907	HydroCell	96 F	Clear	400	Yes	Yes	1	8
243656	Non-Treated	96 F	Clear	400	Yes	Yes	6	108
256510	Non-Treated	96 F	Clear	400	Yes	No	10	180
260836	Non-Treated	96 F	Clear	400	No	No	10	180
260844	Non-Treated	96 F	Clear	400	No	No	10	180
260860	Non-Treated	96 F	Clear	400	Yes	Yes	10	180
260887	Non-Treated	96 F	Clear	400	Yes	Yes	10	160
260895	Non-Treated	96 F	Clear	400	No	Yes	10	160
266120	Non-Treated	96 F	Clear	400	Yes	Yes	25	100
269620	Non-Treated	96 F	Clear	400	No	No	5	60
269787	Non-Treated	96 F	Clear	400	Yes	No	1	50

* Produced in a clean environment

► Thermo Scientific Nunc F96-MicroWell Black and White Polystyrene Plate

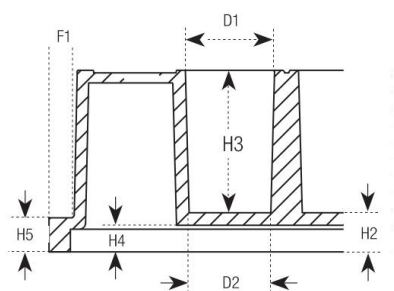


Nunc™ 96-well black and white polystyrene plates are optimized for robotics, plate readers and liquid handling systems.

Our plates are high quality for consistent and reliable results.

details

- Background, autofluorescence and crosstalk are improved when you use Nunc Black or White microplates
- Black microplates are recommended for fluorescence measurements; with minimum back-scattered light and background fluorescence
- White microplates are recommended for luminescence measurements; with maximum reflection and minimal autoluminescence
- Cell Culture Treated: The Nunclon™ Delta Cell Culture treated surface is a hydrophilic surface that promotes cell attachment and growth
- Working volume range: 50 to 250 µL/well



Compliance: All Nunc microplates meet the recommendation of American National Standards Institute (ANSI) (ANSI/SBS 1-2004).

	mm
Total height of plate	14.5 ± 0.3
H2 Vertical distance from inside well bottom to resting plane	3.6
H3 Inside depth of well	11.2
H4 Vertical distance from external well bottom to resting plane	2.1
H5 Height of flange	2.7
D1 Well diameter, top	7.05
D2 Well diameter, bottom	6.55 ± -0.1
F1 Depth of flange	2.0

Nunc F96-MicroWell Black and White Polystyrene Plate

Cat. No.	Surface	Well Design	Color	Total Vol., µL	Sterile	Lid	No. per Pack	No. Per Case
136101	Cell Culture	96 F	White	400	Yes	Yes	1	50
136102	Cell Culture	96 F	White	400	Yes	Yes	10	160
137101	Cell Culture	96 F	Black	400	Yes	Yes	1	50
137103	Cell Culture	96 F	Black	400	Yes	Yes	10	160
236105	Non-Treated	96 F	White	400	Yes	Yes	1	50
236107	Non-Treated	96 F	White	400	Yes	Yes	10	160
236108	Non-Treated	96 F	White	400	No	No	10	180
237105	Non-Treated	96 F	Black	400	Yes	Yes	1	50
237107	Non-Treated	96 F	Black	400	Yes	Yes	10	160
237108	Non-Treated	96 F	Black	400	No	No	10	180

► Thermo Scientific Nunc 96-Well Polystyrene Round Bottom Microwell Plates

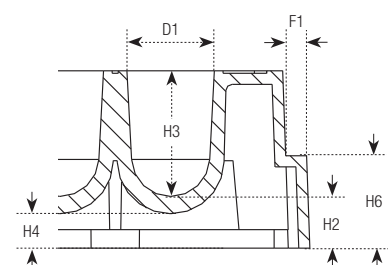


Nunc™ 96-well round bottom polystyrene plates are optimized for robotics, automated readers and liquid handling systems.

96-well round (U) bottom microplates are ideal for agglutination assays.

details

- Clear polystyrene has excellent optical properties making it ideal for optical measurements
- Untreated polystyrene is hydrophobic and is suited for growth of suspension cultures that can proliferate and grow without attachment
- Untreated surfaces are ideal for adding coatings in your lab
- Cell Culture Treated: The Nunclon™ Delta cell culture treated surface is a hydrophilic surface that promotes cell attachment and growth
- Plates are optimized for robotics, plate readers and liquid handlers
- Working volume: 50 to 250 µL/well



Compliance: All Nunc microplates meet the recommendation of American National Standards Institute (ANSI).

	mm
Total height of plate	14.5 ± 0.1
H2 Vertical distance from inside well bottom to resting plane	4.2
H3 Inside depth of well	10.2
H4 Vertical distance from external well bottom to resting plane	2.8
H5 Height of flange on the short side	2.4
H6 Height of flange on the long side	7.5
D1 Well diameter, top	7.1
D2 Well diameter, bottom	Round bottom
F1 Depth of flange	1.7

Nunc 96-Well Polystyrene Round Bottom Microwell Plates

Cat. No.	Surface	Well Design	Color	Total Vol., µL	Sterile	Lid	No. per Pack	No. Per Case
143761	Cell Culture	96 U	Clear	300	Yes	No	1	50
145399	Low Cell Binding	96 U	Clear	300	irradiated	Yes	1	8
163320	Cell Culture	96 U	Clear	300	Yes	Yes	1	50
168136	Cell Culture	96 U	Clear	300	Yes	Yes	10	160
174908	HydroCell	96 U	Clear	300	Yes	Yes	1	8
262146	Non-Treated	96 U	Clear	300	No	No	135	135
262162	Non-Treated	96 U	Clear	300	Yes	No	1	50
268152	Non-Treated	96 U	Clear	300	No	No	10	180
268200	Non-Treated	96 U	Clear	300	Yes	Yes	10	160

► Thermo Scientific Nunc 96-Well Polystyrene Conical Bottom Microwell Plates



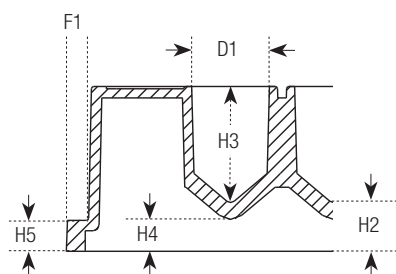
Nunc™ 96-well conical bottom polystyrene plates are optimized for robotics, automated readers and liquid handling systems.

96-well conical (V) bottom microplates are ideal for sample recovery. Applications include: antibiotic screens, serological tests, storing, screening compounds and DNA libraries

details

- Clear polystyrene has excellent optical properties making it ideal for optical measurements
- Plates are optimized for robotics, plate readers and liquid handlers
- Customized bar coding is available
- Working volume range: 50 to 250 µL/well

Compliance: All Nunc microplates meet the recommendation of American National Standards (ANSI).



	mm
Total height of plate	14.4 ± 0.1
H2 Vertical distance from inside well bottom to resting plane	4.6
H3 Inside depth of well	9.8
H4 Vertical distance from external well bottom to resting plane	2.8
H5 Height of flange	2.7
D1 Well diameter, top	6.8
D2 Well diameter, bottom	V-shaped
F1 Depth of flange	1.2

Nunc 96-Well Polystyrene Conical Bottom Microwell Plates

Cat. No.	Surface	Well Design	Color	Total Vol., µL	Sterile	Lid	No. per Pack	No. per Case
249570	Non-Treated	96 V	Clear	300	No	No	10	180
249662	Non-Treated	96 V	Clear	300	Yes	No	1	50
249935	Non-Treated	96 V	Clear	300	Yes	Yes	10	80
249940	Non-Treated	96 V	Clear	300	Yes	No	10	80
249952	Non-Treated	96 V	Clear	300	Yes	Yes	10	160
277143	Non-Treated	96 V	Clear	300	Yes	Yes	1	50

► For custom barcoded plates, visit
www.thermoscientific.com/barcodeconfigurator

► Thermo Scientific Nunc 96-Well UV Microplate



Nunc™ UV transparent 96-well microplates are ideal for DNA and protein quantitation in 260 nm and 280 nm range.

The 96-Well format allows a higher throughput of sample screening compared to cuvettes.

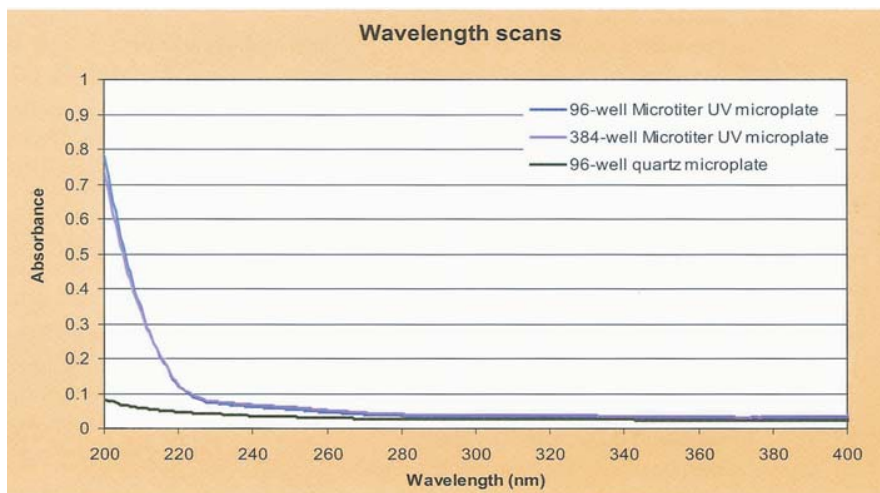
details

- Certified RNase and DNase free; non-pyrogenic
- Low background absorbance
- Measure protein concentrations at 280 nm
- Temperature range: -80°C to +40°C
- Working volume: 25 to 340 µL/well

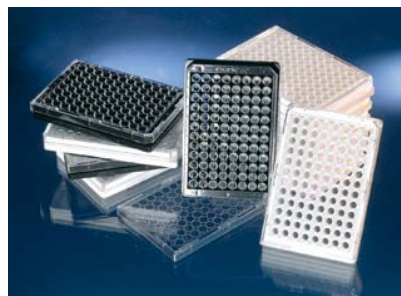
Compliance: This Thermo Scientific microplate meets the recommendation of American National Standards Institute (ANSI).

Nunc 96-Well UV Microplate

Cat. No.	Surface	Well Design	Color	Total Vol., µL	Sterile	Lid	No. per Pack	No. Per Case
8404	UV	96 F	Clear	392	No	No	10	40



► Thermo Scientific Nunc MicroWell 96-Well Optical-Bottom Plates with Polymer Base



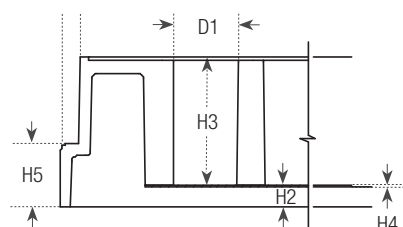
Nunc™ 96-Well Optical Bottom plates have a solid polystyrene black or white upper structure with a polystyrene film on the bottom of the plate.

The plates are optimized for fluorescence and luminescence in cell culture and microscopic applications.

White or black polystyrene upper structure with polymer bottom plates combine the optical clarity of virgin crystalline polystyrene with optimal surface for a wide range of HTS applications.

details

- Black microplates are recommended for fluorescence measurements with minimum back-scattered light and background fluorescence
- White microplates are recommended for luminescence measurements; with maximum reflection and minimal autoluminescence
- Polymer base plate
- Working range, 50-200 μL /well
- Customized bar coding is available



		mm
	Total height of plate	14.9
H2	Vertical distance from inside well bottom to resting plane	2.2
H3	Inside depth of well	12.1
H4	Polystyrene film	0.25
H5	Height of flange	6.2
D1	Well diameter	6.5

Compliance: All Nunc microplates meet the recommendation of American National Standards Institute (ANSI).

Nunc MicroWell 96-Well Optical-Bottom Plates with Polymer Base

Cat. No.	Surface	Well Design	Color	Bottom Plate	Total Vol., μL	Sterile	Lid	No. per Pack	No. per Case
152028*	Poly-D-Lysine	96 F	White	Polymer	400	--*	Yes	5	20
152036*	Collagen I	96 F	Black	Polymer	400	--*	Yes	5	20
152037*	Poly-D-Lysine	96 F	Black	Polymer	400	--*	Yes	5	20
152040*	Collagen I	96 F	White	Polymer	400	--*	Yes	5	20
165305	Cell Culture	96 F	Black	Polymer	400	Yes	Yes	10	30
165306	Cell Culture	96 F	White	Polymer	400	Yes	Yes	10	30
265301	Non-treated	96 F	Black	Polymer	400	No	No	10	30
265302	Non-treated	96 F	White	Polymer	400	No	No	10	30
4924MTX	Non-treated	96 F	White	Polymer	300	No	No	20	80
4925MTX	Medium Binding	96 F	White	Polymer	300	Irradiated	Yes	20	80
4928MTX	Medium Binding	96 F	Black	Polymer	300	No	No	20	80
4929MTX	Medium Binding	96 F	Black	Polymer	300	Irradiated	Yes	20	80
4937MTX	Cell Culture	96 F	White	Polymer	370	Irradiated	No	10	80
4938MTX	Cell Culture	96 F	White	Polymer	370	Irradiated	Yes	10	80
4939MTX	Cell Culture	96 F	Black	Polymer	370	Irradiated	No	10	80
4940MTX	Cell Culture	96 F	Black	Polymer	370	Irradiated	Yes	10	80

* Produced in a clean environment

► Thermo Scientific Nunc MicroWell 96-Well Optical-Bottom Plates with Coverglass Base

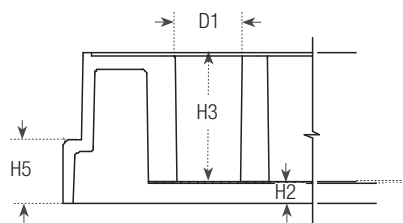


Nunc™ Optical Bottom plates have a solid polystyrene black or white upper structure with a coverglass plate bottom.

The plates are optimized for fluorescence and luminescence in cell culture and microscopic applications. The coverglass bottom has minimum light scatter and low autofluorescence, ensuring accurate results due to higher signal-to-noise ratio.

details

- Black microplates are recommended for fluorescence measurements; with minimum back-scattered light and background fluorescence
- White microplates are recommended for luminescence measurements; with maximum reflection and minimal autoluminescence
- Culture area, 0.32 cm²
- Cell culture surface is ideal for cell-based assays
- CC² surface modification closely mimics Poly-D-Lysine and is superior for attachment and growth of fastidious cells



Compliance: All Nunc microplates meet the recommendation of American National Standards Institute (ANSI).

		mm
	Total height of plate	14.9
H2	Vertical distance from inside well bottom to resting plane	2.2
H3	Inside depth of well	12.1
H5	Height of flange	6.2
D1	Well diameter	6.5

Nunc MicroWell 96-Well Optical-Bottom Plates with Coverglass Base

Cat. No.	Surface	Well Design	Color	Bottom Plate	Sterile	Lid	No. per Pack	No. Per Case
160376	CC ²	96 F	Black	No. 1.5 Coverglass	Yes	Yes	6	30
164588	Cell Culture	96 F	Black	No. 1.5 Coverglass	Yes	Yes	6	30
164590	Cell Culture	96 F	White	No. 1.5 Coverglass	Yes	Yes	6	30
265300	Non-treated	96 F	Black	No. 1.5 Coverglass	No	No	5	30

► Thermo Scientific Nunc 96-Well Polypropylene MicroWell Plates



Nunc™ 96-well polypropylene plates are the ideal storage plate because polypropylene has lower binding characteristics so proteins or DNA will not bind and allows complete sample recovery.

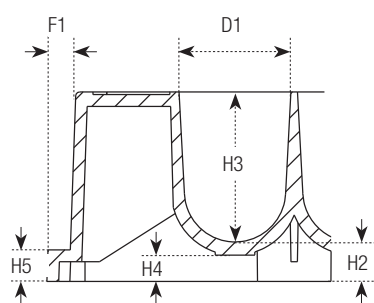
Withstands temperatures from -80°C to +121°C; available in a variety of colors for quick identification of your storage plates.

These microplates have shared-wall technology, which increases well volume and widens cells to improve mixing.

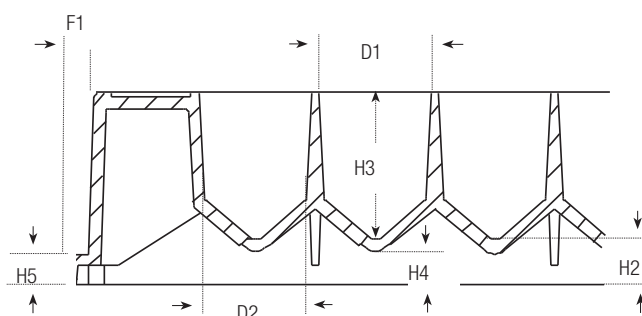
details

- Wider wells and rounded bottom improve mixing
- Conical bottom wells for optimal sample recovery
- Excellent chemical resistance
- Black and white plates are available for fluorescent- and luminescent-based applications
- Low-binding polypropylene for homogeneous assays and storage
- Ideal as collection plate for Nunc Filter Plates
- U96-well Plates – working volume range: 20 to 450 µL/well
- V96-well Plates – working volume range: 10 to 400 µL/well

Compliance: All Nunc microplates meet the recommendation of American National Standards Institute (ANSI).



	mm
Total height of plate	14.5 ± 0.3
H2 Vertical distance from inside well bottom to resting plane	3.1
H3 Inside depth of well	11.2
H4 Vertical distance from external well bottom to resting plane	2.0
H5 Height of flange on the short side	2.4
D1 Well diameter, top	8.5
F1 Depth of flange	1.7



	mm
Total height of plate	14.4 ± 0.1
H2 Vertical distance from inside well bottom to resting plane	3.4
H3 Inside depth of well	11.0
H4 Vertical distance from external well bottom to resting plane	2.5
H5 Height of flange on the short side	2.3
H6 Height of flange on the long side	7.5
D1 Well diameter, top	8.5
D2 Well diameter, bottom	V-bottom
F1 Depth of flange	1.7

Nunc 96-Well Polypropylene MicroWell Plates

Cat. No.	Surface	Well Design	Color	Total Vol., μ L	Sterile	Lid	No. per Pack	No. per Case
249943	Non-Treated	96 V	Red	450	No	No	20	120
249944	Non-Treated	96 V	Natural	450	No	No	20	120
249945	Non-Treated	96 V	Black	450	No	No	20	120
249946	Non-Treated	96 V	Natural	450	Yes	No	20	120
249947	Non-Treated	96 V	Yellow	450	No	No	20	120
249949	Non-Treated	96 V	White	450	No	No	20	120
249950	Non-Treated	96 V	Blue	450	No	No	20	120
267245	Non-Treated	96 U	Natural	500	No	No	10	120
267334	Non-Treated	96 U	Natural	500	Yes	No	10	120
267342	Non-Treated	96 U	Black	500	No	No	10	120
267350	Non-Treated	96 U	White	500	No	No	10	120
267369	Non-Treated	96 U	Red	500	No	No	10	120
267385	Non-Treated	96 U	Blue	500	No	No	10	120
267407	Non-Treated	96 U	Yellow	500	No	No	10	120
442587*	Non-Treated	96 V	Natural	450	No	No	5	60
95040410	Non-Treated	96 Square	Natural	500	No	No	5	50

* Pinch Bar Design

► For custom barcoded plates, visit
www.thermoscientific.com/barcodeconfigurator

► Thermo Scientific Nunc 1.3 and 2.0 mL DeepWell Plates with Shared-Wall Technology



Nunc round-well plates



Nunc square-well plates

Nunc™ DeepWell plates with shared-wall technology are ideal for sample collection, storage, combinatorial chemistry and library applications, and are resistant to most chemicals, solvents and alcohols used in combinatorial chemistry.

Shared-wall technology provides increased well volume optimizing storage capacity and improved mixing.

details

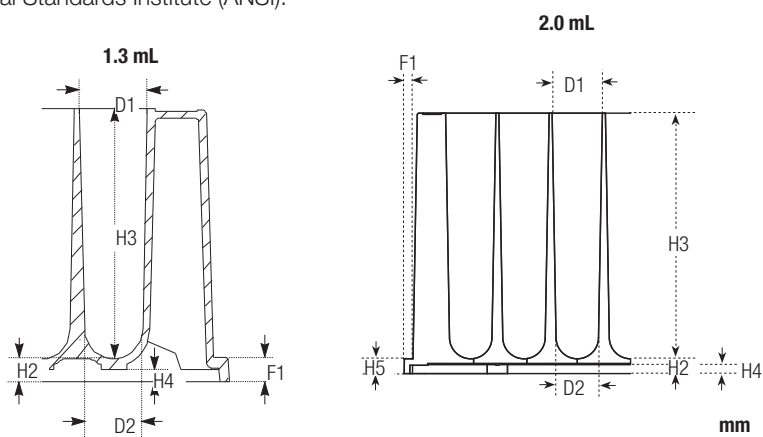
- Ideal as a collection plate for Nunc Filter Plates
- Storage plate for compounds, samples or biomolecules
- Optimized for bacterial and yeast growth
- Polypropylene
- Round-bottom wells reduce liquid retention
- Widely used for bacteria and yeast growth
- Natural color
- Resistant to most chemicals, solvents, and alcohols used in combinatorial chemistry

Working volumes

- Cat. Nos. 260251 and 150141: 50-100 µL/well
- Cat. Nos. 278743 and 278752: 50-1900 µL/well

Recommended for: Sample collection; storage; combinatorial chemistry; library applications; bacterial and yeast growth; collection plates for Nunc Filter Plates.

Compliance: All Nunc microplates meet the recommendation of American National Standards Institute (ANSI).



	mm		mm
Total height of plate	31.6	Total height of plate	44.0
H2 Vertical distance from inside well bottom to resting plane	2.5	H2 Vertical distance from inside well bottom to resting plane	2.5
H3 Inside depth of well	29.1	H3 Inside depth of well	41.5
H4 Vertical distance from external well bottom to resting plane	1.4	H4 Vertical distance from external well bottom to resting plane	1.5
D1 Well diameter, top	8.5	H5 Height of flange	2.5
D2 Well diameter, bottom	8.4	D1 Well diameter, top	8.5
F1 Depth of flange	2.5	D2 Well diameter, bottom	6.0
		F1 Depth of flange	1.5

microplates for drug discovery

96-well plates - polypropylene

Nunc 1.3 and 2.0 mL DeepWell Plates with Shared-Wall Technology

Cat. No.	Surface	Well Design	Color	Total Vol., μ L	Sterile	Lid	No. per Pack	No. per Case
260251	Non-Treated	96 U	Natural	1.3	Yes	No	5	50
260252	Non-Treated	96 U	Natural	1.3	No	No	5	50
278743	Non-Treated	96 U	Natural	1.3	Yes	No	1	60
278752	Non-treated	96 U	Natural	1.3	No	No	5	60
95040452	Non-Treated	96 Square	Natural	2	No	No	5	50
95040462	Non-Treated	96 Square	Natural	2	Yes	No	5	50



► Thermo Scientific Nunc 96-Deep Well Polystyrene Plates



Nunc™ 96-Deep Well Polystyrene Plates' untreated surface provides uniform surface properties, making them ideal for cloning and replication assays.

The round bottom is ideal for agglutination assays and sample collection.

details

- Optimized for robotics and liquid handling systems
- Round-bottom wells for optimal sample recovery
- Untreated surface
- Sealable with well caps and sealing tape
- Working range: 50 to 900 μ L/well

Compliance: All Nunc microplates meet the recommendation of American National Standards Institute (ANSI).

Nunc 96-Deep Well Polystyrene Plates

Cat. No.	Surface	Well Design	Color	Total Vol., μ L	Sterile	No. per Pack	No. Per Case
278605	Non-Treated	96 U	Clear	1.0	No	4	32
278606	Non-Treated	96 U	Clear	1.0	Yes	4	32

► Thermo Scientific Nunc 96-Well Filter Plates



Nunc™ Filter Plates are optimized for efficient purification of high-quality plasmid DNA or PCR products.

Designed specifically for high-throughput sample processing, these 96-well filter plates are made of polypropylene offering chemical resistance and mechanical strength; ideal for DNA plasmid preparations and PCR cleanups.

details

- Designed specifically for high-throughput sample processing
- Suitable for vacuum, filtration, centrifugation or positive pressure techniques
- Polyethylene terephthalate (PET) frit in fritted plate has 20 µm pore size
- Shared wall configuration gives reduced plate height, wider wells for faster processing, higher yields and less clogging
- Purified DNA is suitable for downstream applications such as sequencing and restriction digestion
- Glass Fiber plate has PET frit and two layers of glass fiber membrane for binding DNA

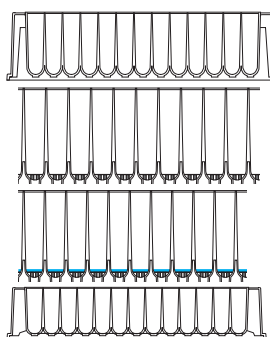
Recommended for: Protein purification, lysate clarification, general filtration.

Compliance: All Nunc microplates meet the recommendation of American National Standards Institute (ANSI).

Flow diagram for plasmid DNA purification

Procedure:

Figure 1.
Procedure on how to use Nunc Filter Plates for cost effective DNA purification.



- Grow E. Coli cells in a sterile 2 mL DeepWell Plate (Cat. No. 278743). (overnight)
- Lyse bacteria and neutralize lysate. (15 min.)
- Clarify plasmid DNA with Fritted Filter Plate (Cat. No. 278011). (1 min.)
- Bind plasmid DNA to Glass Fiber Filter Plate (Cat. No. 278010). (3 min.)
- Wash and dry membrane. (8 min.)
- Elute pure plasmid DNA with TE into 1 mL reception DeepWell Plate (Cat. No. 260252). (12 min.)

Nunc 96-Well Filter Plates

Cat. No.	Surface	Well Design	Color	Total Vol., µL	Working Vol., µL	Frit Size, µm	Sterile	No. per Pack	No. Per Case
278010	Non-Treated	96-well Glass Fiber Filter (Binding) Plate	Natural	1.3	1.0	20*	No	5	50
278011	Non-Treated	96-Fritted Well Deep Well Plate	Natural	1.3	1.0	20	No	5	50
278012	Non-Treated	96-Unfritted well Deep Well Plate	Natural	1.3	1.0		No	5	50

* Has two layers of glass fiber membrane on top of PET frit

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microplate instrumentation

The most complete solutions for all of your laboratory needs.

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- A choice of dedicated and multi-technology microplate readers offers a wide variety of applications
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► Thermo Scientific Nunc 96-Well Cap Mats



Nunc™ 96-Well Cap Mats for polypropylene plates will protect well contents during short-term or long-term storage of chemicals or compounds.

details

- Chemically resistant, pierceable, withstand low temperature to -80°C
- Pre-slit silicone well caps permit a pipette tip or probe to enter the well without damage to the cap
- The variety of colors is for quick identification of storage plates
- Silicone caps with pre-slit are solvent resistant, should not be subjected to 100% DMSO

Ordering Information: Sterile mats are individually wrapped.

Notes: 96-well polypropylene DeepWell plates with “Shared Wall” technology also fit standard-height polypropylene 96-well microwell plates. 276011 Preslit silicone caps can be pierced repeatedly. Do not use pre-slit silicone with 100% DMSO.

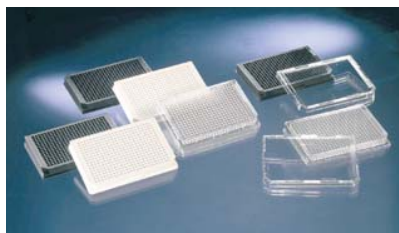
Nunc 96-Well Cap Mats

Cat. No.	Well	Under Well Shape	Pierceable	Slit	Color	Sterile	No. per Pack	No. Per Case
276000**	96	Round	Pierceable*	Not preslit	Natural	Yes	1	50
276002**	96	Round	Pierceable*	Not preslit	Natural	No	5	50
276003**	96	Round	Pierceable*	Not preslit	Yellow	No	5	50
276004**	96	Round	Pierceable*	Not preslit	Red	No	5	50
276005**	96	Round	Pierceable*	Not preslit	Blue	No	5	50
276011**	96	Round	Pierceable*	Preslit	Natural	No	10	50
4410MTX	96	Round	No	Not preslit	Natural	No	100	100
4411-11	96	Round	No	Not preslit	Natural	Yes	10	10
4412-11	96	Round	No	Not preslit	Natural	No	10	10
4413-11	96	Round	No	Not preslit	Natural	Yes	240	240
4414-11	96	Round	No	Not preslit	Natural	Yes	240	240
4415MTX	96	Round	No	Not preslit	Natural	No	240	240
4416MTX	96	Round	No	Not preslit	Natural	Yes	240	240
4420MTX	96	Square	No	Not preslit	Natural	No	100	100
4421MTX	96	Square	No	Not preslit	Natural	No	10	10
4422MTX	96	Square	No	Not preslit	Natural	Yes	10	10
4430-11	96	Round	No	Not preslit	Natural	No	100	100
4431-11	96	Round	No	Not preslit	Natural	No	10	10
4432-11	96	Round	No	Not preslit	Natural	Yes	10	10
9503230	96	Square	Pierceable*	Not preslit	Natural	No	5	50
9503233	96	Square	Pierceable*	Not preslit	Natural	Yes	1	25

* Pierceable by hypodermic

** For shared-wall plates

► Thermo Scientific Nunc 384-Well Clear Polystyrene Plates, Cell Culture Treated and Non-Treated Surfaces

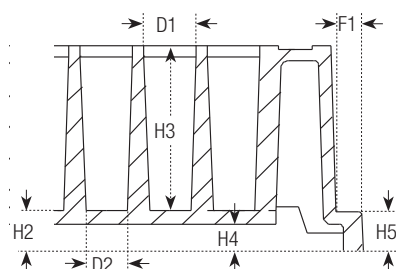


Nunc™ 384-well polystyrene plates are optimized for robotics, plate readers and liquid handling systems. 384-well microplates allow sample and reagent volume reduction providing cost savings and allowing more samples to be screened.

Nunc 384-well polystyrene plates have rounded square-well geometry, eliminating wicking.

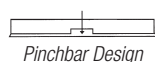
details

- Clear polystyrene has excellent optical properties making it ideal for optical measurements
- Untreated polystyrene is hydrophobic and is suited for growth of suspension cultures that can proliferate and grow without attachment
- Untreated surfaces are ideal for adding coatings in your lab
- Cell Culture Treated: The Nunclon™ Delta cell culture treated surface is a hydrophilic surface that promotes cell attachment and growth
- Flexible working volumes: 10-100 µL



Compliance: Nunc microplates meet the recommendation of American National Standards Institute (ANSI).

	mm
Total height of plate	14.4 ± 0.25
H2 Vertical distance from inside well bottom to resting plane	2.6
H3 Inside depth of well	11.7
H4 Vertical distance from external well bottom to resting plane	1.7
H5 Height of flange	2.7
D1 Well diameter, top	3.7
D2 Well diameter, bottom	2.7
F1 Depth of flange	1.9



Nunc 384-Well Clear Polystyrene Plates, Cell Culture Treated and Non-Treated Surfaces

Cat. No.	Surface	Well Design	Color	Total Vol., µL	Sterile	Lid	No. per Pack	No. Per Case
164610*	Cell culture	384 F	Clear	120	Yes	Yes	10	30
164564*	Cell culture	384 F	Clear	120	Yes	Yes	10	30
164555*	Cell culture	384 F	Clear	120	Yes	Yes	25	100
164688*	Cell culture	384 F	Clear	120	Yes	Yes	10	30
242757	Non-treated	384 F	Clear	120	Yes	Yes	10	30
242765	Non-treated	384 F	Clear	120	Yes	Yes	1	30
262160	Non-treated	384 F	Clear	120	No	No	25	100
262260	Non-treated	384 F	Clear	120	No	No	25	100
262360	Non-treated	384 F	Clear	120	No	No	25	100
265202	Non-treated	384 F	Clear	120	Yes	Yes	25	100
265203	Non-treated	384 F	Clear	120	Yes	No	25	100

*Certified

► Thermo Scientific Nunc 384-Well Shallow Well Standard Height Clear Plates



Nunc 384-well shallow well standard height clear plates



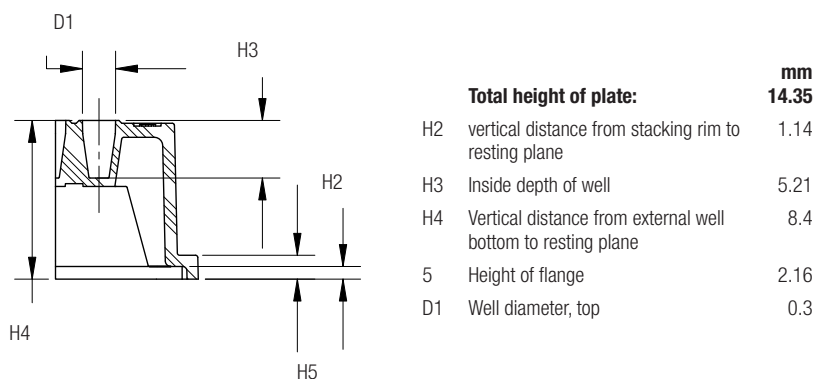
Nunc™ 384-well shallow well standard height clear polystyrene plates provide cost savings in samples and reagents; by reducing the total well volume to 25 μ L.

The standard height of the plate allows you to use automation without making adjustments to robotics, plate readers or liquid handlers.

details

- Untreated polystyrene is hydrophobic and suited for growth of suspension cultures that can proliferate and grow without attachment
- Untreated surfaces are ideal for adding coatings in your lab
- Working volume: 2–20 μ L/well
- 25 μ L total volume saves reagents
- Clear polystyrene has excellent optical properties making it ideal for optical measurements
- Black microplates are recommended for fluorescence measurements, with minimum back-scattered light and background fluorescence
- White microplates are recommended for luminescence measurements, with maximum reflection and minimal autoluminescence

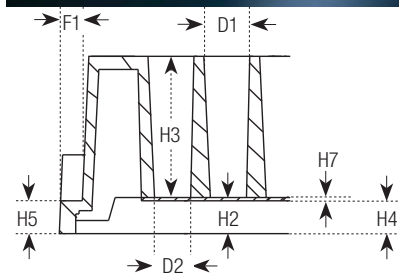
Compliance: Nunc microplates meet the recommendation of American National Standards Institute (ANSI).



Nunc 384-Well ShallowWell Standard Height Plates

Cat. No.	Surface	Well Design	Color	Total Vol., μ L	Sterile	Lid	No. per Pack	No. Per Case
164701	Cell culture	384 F	Clear	25	Yes	Yes	25	100
264704	Non-treated	384 F	Clear	25	No	No	25	100
264705	Non-treated	384F	Black	25	No	No	25	100
264706	Non-treated	384F	White	25	No	No	25	100
264705	Non-treated	384 U	Black	25	No	No	25	

► Thermo Scientific Nunc 384-Well Optical Bottom Plates



	mm
Total height of plate	14.4 ± 0.25
H2 Vertical distance from inside well bottom to resting plane	2.7
H3 Inside depth of well	11.6
H4 Vertical distance from external well bottom to resting plane	2.5
H5 Height of flange	2.7
H7 Bottom thickness	0.3
D1 Well diameter, top	3.7 x 3.7
D2 Well diameter, bottom	2.9 x 2.9
F1 Depth of flange	1.8

Nunc™ 384-Well Optical Bottom Plates are ideal for microscopic applications.

The black microplates are recommended for fluorescence measurements; with minimum back-scattered light and background fluorescence. White microplates are recommended for luminescence measurements, offering maximum reflection and minimal autoluminescence.

Rounded-square wells provide maximum access for dispensers and readers.

details

- Poly- D-Lysine and Collagen coating is ideal for cells with low adherence or growth – the uniform coating creates a positive charge on the surface that ensures cell attachment, growth and differentiation.
- Cell Culture Treated: The Nunclon Delta cell culture treated surface is a hydrophilic surface that promotes cell attachment and growth
- Untreated polystyrene is hydrophobic and is suited for growth of suspension cultures that can proliferate and grow without attachment and are ideal for adding coating in your own lab
- Polystyrene upper structure (available in black or white) with either a #1.5 cover glass or polystyrene base
- Working volume: 10 to 120 µL/well

Compliance: All Nunc microplates meet the recommendation of American National Standards Institute (ANSI).

Nunc 384-Well Optical Bottom Plates

Cat. No.	Surface	Well Design	Color	Total Vol., µL	Sterile	Lid	No. per Pack	No. Per Case
142761	Cell Culture	384 F	Black	120	Yes	Yes	10	30
142762	Cell Culture	384 F	White	120	Yes	Yes	10	30
152029	Poly-D-Lysine	384 F	Black	120	No	Yes	10	30
152041	Collagen I	384 F	Black	120	No	Yes	10	30
164586*	Cell Culture	384 F	Black	120	Yes	No	6	30
164730	Cell Culture	384 F	Black	120	Yes	No	10	30
240074*	Non-Treated	384 F	Black	120	No	No	5	30
242763	Non-Treated	384 F	White	120	No	No	10	30
242764	Non-Treated	384 F	Black	120	No	No	10	30
4321MTX	Medium Binding	384 F	White	120	No	No	10	80
4322MTX	Medium Binding	384 F	White	120	Irradiated	No	10	80
4323MTX	Medium Binding	384 F	Black	120	No	No	10	80
4324MTX	Medium Binding	384 F	Black	120	Irradiated	No	10	80
4329MTX	Cell Culture	384 F	White	120	Irradiated	No	10	80
4330-11	Cell Culture	384 F	White	120	Irradiated	No	10	80
4331-11	Cell Culture	384 F	Black	120	Irradiated	No	10	80
4332MTX	Cell Culture	384 F	Black	120	Irradiated	No	10	80

*1.5 Coverglass

► Thermo Scientific Nunc 384-Well Conical Bottoms Polypropylene Plates



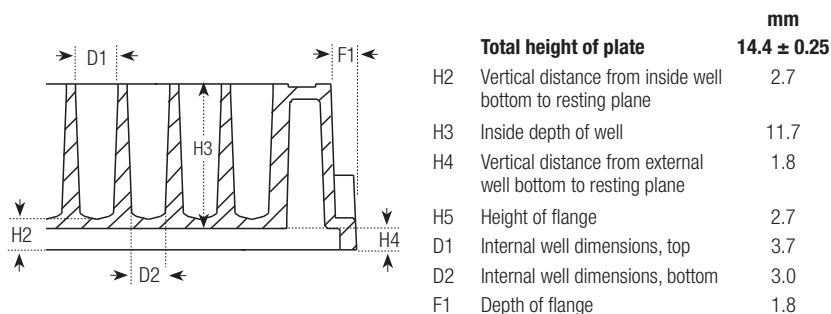
Nunc™ 384-well polypropylene plates provide cost savings when storing compounds for small volume applications.

Polypropylene is the ideal storage plate because it has a lower binding capacity so proteins or DNA will not bind, allowing complete sample recovery. Withstands temperatures from -80°C to +121°C. Offered in a variety of colors for quick identification of your storage plates.

details

- Conical Wells offer optimal sample recovery
- Square rounded wells minimize wicking (capillary action)
- The variety of colors is for quick identification of storage plates
- Chemically resistant to DMSO
- Round bottom improves mixing
- U384-Well Plates working volume range: 10-100 µL/well
- V384-Well Plates working volume range: 4-120 µL/well

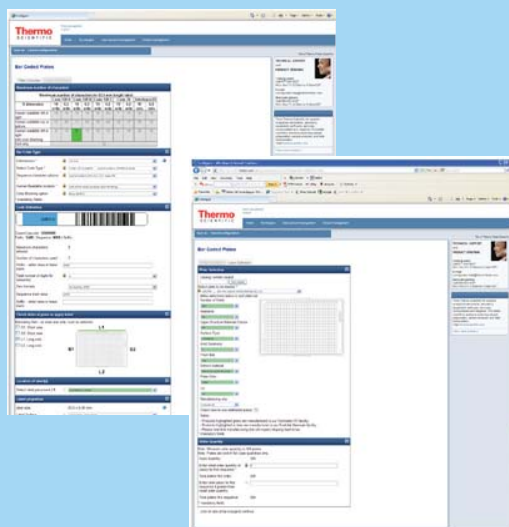
Compliance: All Nunc microplates meet the recommendation of American National Standards Institute (ANSI).



Nunc 384-Well Conical Bottom Polypropylene Plates

Cat. No	Well Design	Color	Total Vol., µL	Sterile	Lid	No. per Pack	No. Per Case
264573	384 U	Natural	120	No	No	20	120
264574	384 U	Natural	120	Yes	No	20	120
264575	384 U	White	120	No	No	20	120
264576	384 U	Black	120	No	No	20	120
264579	384 U	Blue	120	No	No	20	120
264675	384 U	White	120	No	No	20	120
4305MTX	384 V	White	145	Yes	No	10	80
4306MTX	384 V	Black	145	Yes	No	10	80
4307MTX	384 V	White	145	No	No	10	80
4308MTX	384 V	Black	145	Yes	No	10	80
4309MTX	384 V	Natural	145	Yes	No	10	80
4312MTX	384 V	Natural	145	No	No	10	80

barcode configurator



Simplify sample tracking using Thermo Scientific Nunc Microplates with custom barcodes created by the Nunc™ Barcode Configurator.

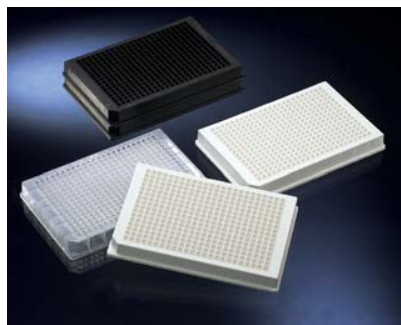
Barcodes provide a tool for managing large quantities of data and establishing historical identification of plate contents at any point in an assay or method. Creating a customized barcode is fast and easy using our simple step-by-step interface. Bring the power of bar coding to your process:

- Choose from 5 code types to best meet your application needs
- Select your label location – apply to one or more plate sides
- No repeats – guaranteed!
- Human-readable option, including positions and highlight color
- Sequences archived for data management
- Print a sample barcode to ensure compatibility with your reader



To create your own custom barcodes, go to
www.thermoscientific.com/barcodeconfigurator

► Thermo Scientific Nunc 384-Shallow Well Standard Height Polypropylene Microplates



Nunc™ 384-well shallow well standard height polypropylene plates provide cost savings when storing compounds for small volume applications.

Polypropylene is ideal for storage plates because of its lower binding capacity so proteins or DNA will not bind and allows complete sample recovery. Withstands temperatures from -80°C to +121°C. Offered in a variety of colors to allow for quick identification of your storage plates.

Polypropylene is a low-binding and chemically resistant surface making this plate ideal for storage.

details

- Rounded wells are optimized for mixing and sample recovery
- Chemical resistant to DMSO
- Square rounded wells minimize wicking (capillary action)
- Natural plates for storage or colorimetric assays
- White plates for storage identification of luminescent assays
- Black plates for storage or fluorescent assays
- Working volume range: 2-35 µ/well

Compliance: All Nunc microplates meet the recommendation of American National Standards Institute (ANSI).

Nunc 384-ShallowWell Standard Height Polypropylene Microplates

Cat. No.	Surface	Well Design	Color	Total Vol., µL	Sterile	Lid	No. per Pack	No. Per Case
267459	Non-Treated	384 U	Natural	58	No	No	25	100
267460	Non-Treated	384 U	Natural	58	Yes	No	25	100
267461	Non-Treated	384 U	Black	58	No	No	25	100
267462	Non-Treated	384 U	White	58	No	No	25	100

► For custom barcoded plates, visit
www.thermoscientific.com/barcodeconfigurator

► Thermo Scientific Nunc Deep Well 384-Well Plates



Nunc™ 384-Deep Well plates are ideal for compound library storage. The deep well design provides larger working volumes and the rounded square well minimizes wicking (capillary action).

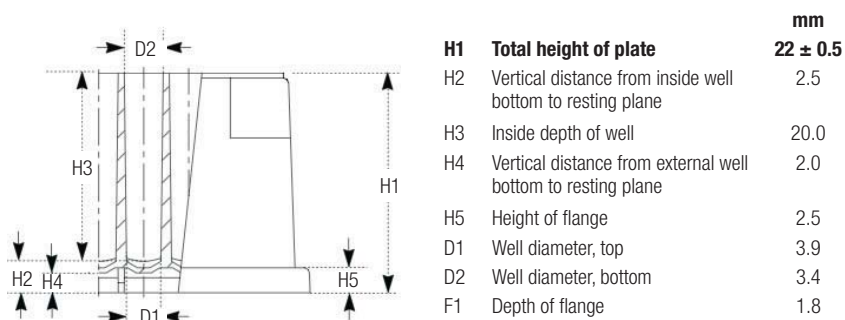
Polypropylene is the ideal storage plate, with a lower binding capacity so proteins or DNA will not bind. Allows complete sample recovery.

Polypropylene is a low-bind and chemically resistant surface, making this plate ideal for storage.

details

- Raised rims around each well are ideal for heat or adhesive sealing
- Rounded wells are optimized for mixing
- Compatible with robotics and automation
- Optimized for liquid handling systems
- Working volume range: 5-240 µL/well

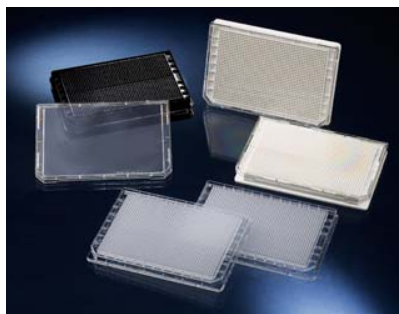
Compliance: All Nunc microplates meet the recommendation of American National Standards Institute (ANSI).



Nunc DeepWell 384-Well Plate

Cat. No.	Surface	Well Design	Color	Total Vol., µL	Sterile	Lid	No. per Pack	No. Per Case
269390	Non-Treated	384 U	Natural	252	No	No	5	60

► Thermo Scientific Nunc 1536-Well High Base Microplates



Nunc™ 1536-Well High Base Microplates are ideal for high-throughput screening. The skirted design around the base of the plate is optimal for robotic handling.

Work with small volumes and screen four times as many samples in one plate.

details

- Black microplates are recommended for fluorescence measurements; with minimum back-scattered light and background fluorescence
- White microplates are recommended for luminescence measurements; with maximum reflection and minimal autoluminescence
- Cell Culture Treated: The Nunclon™ Delta cell culture treated surface is a hydrophilic surface that promotes cell attachment and growth.
- Working range: 2-10 µL/well

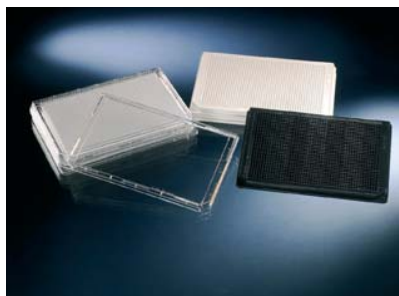
Compliance: All Nunc microplates meet the recommendation of American National Standards Institute (ANSI).

Nunc 1536-Well High Base Microplates

Cat. No.	Surface	Well Design	Color	Total Vol., µL	Sterile	Lid	No. per Pack	No. per Case
164707	Cell Culture	1536 F	Clear	13.4	Yes	Yes	25	100
164708	Cell Culture	1536 F	Black	13.4	Yes	Yes	25	100
164709	Cell Culture	1536 F	White	13.4	Yes	Yes	25	100
264710	Non-Treated	1536 F	Clear	13.4	No	No	25	100
264711	Non-Treated	1536 F	Black	13.4	No	No	25	100
264712	Non-Treated	1536 F	White	13.4	No	No	25	100

► For custom barcoded plates, visit
www.thermoscientific.com/barcodeconfigurator

► Thermo Scientific Nunc 1536-Well Microplates Plates



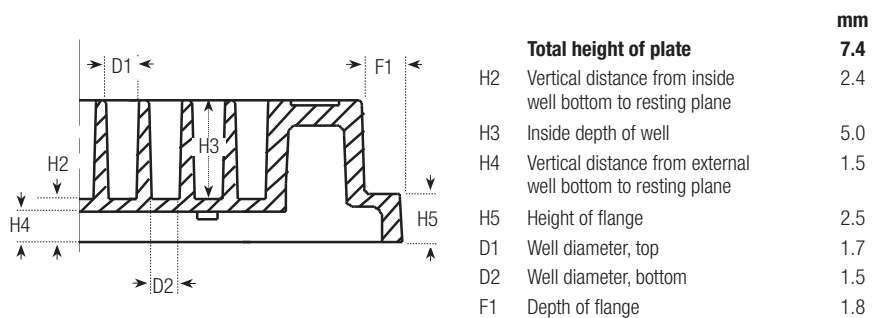
Nunc™ 1536-Well Microplates are ideal for high-throughput screening.

Work with small volumes and screen four times as many samples in one plate.

details

- Low plate height is optimized for stacking
- Black microplates are recommended for fluorescence measurements, with minimum back-scattered light and background fluorescence
- White microplates are recommended for luminescence measurements, with maximum reflection and minimal autoluminescence
- Working well volume: 1-10 µL/well

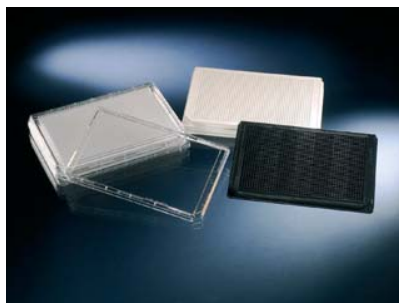
Compliance: All Nunc microplates meet the recommendation of American National Standards Institute (ANSI).



Nunc 1536-Well Microplates Plates

Cat. No.	Surface	Well Design	Color	Total Vol., µL	Sterile	Lid	No. per Pack	No. Per Case
253601	Non-Treated	1536 F	Black	13.4	No	No	30	90
253607	Non-Treated	1536 F	White	13.4	No	No	30	90
253614	Non-Treated	1536 F	Clear	13.4	No	No	30	90

► Thermo Scientific Nunc Microplate Lids



Nunc™ Microplate lids protect samples from contamination and evaporation during assay processing, incubation or storage.

details

- 96-well lids have individual condensation rings
- Lids have notches for quick orientation
- Universal lids can be used on any standard height plate on the market

Nunc Microplate Lids

Cat. No.	Height, without stacking holders, mm	Cut-off Corners	Condensation Rings	Evaporation Barrier	Color	Sterile	No. per Pack	No. Per Case
Standard Lids, for 96-MicroWell Plates								
With condensation rings and evaporation rim; Polystyrene; External dimensions 127 x 85 mm								
263339	Standard, 7.9	Long Side	Yes	Yes	Clear	No	5	100
264122	Standard, 7.9	Long Side	Yes	Yes	Clear	Yes	1	50
264623	Standard, 7.9	Long Side	Yes	Yes	Clear	Yes	20	60
Standard Lids for 96-Optical Bottom Plates								
With condensation rings and evaporation rim; Polystyrene; External dimensions 127 x 85 mm								
255983	Standard, 7.8	Right short side	Yes	Yes	Clear	No	20	60
Standard Lids for 384-Well Plates								
With evaporation rim; Polystyrene; External dimensions 127 x 85 mm								
264611	Standard, 7.9	Long side	No	Yes	Clear	Yes	1	60
264612	Standard, 7.9	Long side	No	Yes	Clear	No	20	180
264616	Standard, 7.9	Long side	No	Yes	Clear	Yes	20	180
White Lid, for 384- and 1536-Well Plates and OmniTrays								
Polystyrene; External dimensions 127 x 85 mm								
448143	Low-profile, 7.9	Long side	No	No	White	No	20	120
Universal Lid for 384- and 1536-Well Plates								
With side cut-out and evaporation rim; Polystyrene; External dimensions 127 x 85 mm								
250002	Standard, 8.34	No	No	No	Clear	Yes	20	60
250003	Standard, 8.34	No	No	No	Clear	No	20	60
250005	Standard, 8.34	No	No	No	Clear	No	20	180
LowBot Lids, Universal Version for 384- and 1536-Well Plates								
With condensation rings and evaporation rim; Polystyrene; External dimensions 127 x 85 mm								
253623	Low profile, 4.6	No	No	Yes	Clear	No	25	100
253624	Low profile, 4.6	No	No	Yes	Clear	Yes	25	100

► Thermo Scientific Nunc Barcode Scanners



Nunc™ Barcode Scanners with “Plug and Play” functionality play a critical role in sample tracking.

The scanner can automatically switch to read codes: 128A, 128B, 128C, 39 and Interleave 2/5. Convenient and simple to use with an Excel spreadsheet.

Durable, low cost, and easy to use – simply plug into a USB or keyboard port.

details

- Scanners automatically switch between Code 128, Code 39, Interleave 2 of 5 and several other barcodes
- Must be in contact with the barcode to read

Nunc Barcode Scanners

Cat. No.	For Use with
330040	Nunc Bar Code Scanner; designed to plug into any keyboard
330050	Nunc Bar Code Scanner; designed to plug into any USB port



► Thermo Scientific Nalgene Storage Racks for Microplates



Nalgene™ Horizontal storage racks provide a secure convenient storage system and allows transport of samples in microplate, deep-well plates and Cryobank racks.

These racks are ideal for genome library storage, DNA and RNA libraries, storage of compounds for high-throughput screening.

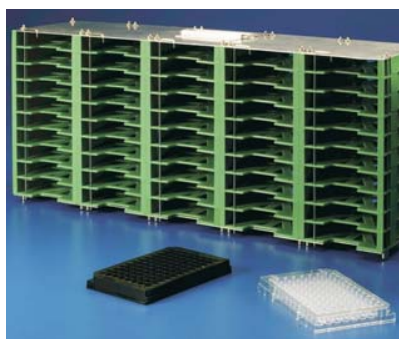
details

- Fit 1.0 mL Cryobank cryogenic storage vials
- Horizontal design fits most refrigerators and freezers
- Retainer clip on each compartment holds plates securely in place
- Handles on tops and sides for easy transport
- Label holder for easy identification of contents of rack

Nalgene Storage Racks for Microplates

Cat. No.	Array	Capacity	Holds	L x W x H, cm (in)	No. per Case
5039-0048	4 x 4	80 Low profile, 48 Standard, 16 Deep well	48 standard plates (16 deep well)	38.7 x 13.9 x 21.6 (15 x 5.5 x 8.5)	1
5039-0072	4 x 6	120 Low Profile, 72 standard, 24 Deep well	72 standard plates (24 deep well)	57.9 x 13.9 x 12.6 (23 x 5.5 x 8.5)	1

► Thermo Scientific Nunc Microplate Plastic Storage Racks



Nunc™ plastic storage racks provide a secure convenient storage system and allow transport of samples in microplate, deep-well plates and Cryobank racks.

These racks are ideal for genome library storage, DNA and RNA libraries, storage of compounds for high-throughput screening.

details

- Horizontal design fits chest, upright freezers and incubator
- Retainer clip holds plates securely in place
- Handles on top and side for easy transport
- Locking bar keeps plates secure
- Handle allows convenient transport
- Freezer compatible down to -80°C
- Not for use in liquid/vapor nitrogen

Nunc Microplate Plastic Storage Racks

Cat. No.	Type	Style	L x W x H, cm (in)	Shelf Height, cm (in)	Color
344260	Standard Height	10 Tall	23 x 10 x 14 (9.05 x 3.94 x 5.5)	2 (3/4)	Green
344280	Standard Height	10 Tall x 5 Wide	25 x 51 x 14 (9.88 x 20.13 x 5.5)	2 (3/4)	Green
344380	DeepWell	5 Tall x 15 Wide	25 x 51 x 14 (9.88 x 20.13 x 5.5)	5 (2)	Green

► Thermo Scientific Nunc Vertical Microplate Storage Racks



Nunc™ Vertical Microplate storage racks provide a secure, convenient storage system and allow transport of samples in microplate, deep-well plates and Cryobank racks.

These racks ideal for genome library storage, DNA and RNA libraries, storage of compounds for high-throughput screening.

details

- Adjustable shelves to fit any plate or tube rack
- Vertical design optimizes room in chest and upright freezers
- Retainer clip holds plates securely in place
- Handles on tops for easy transport
- Alignment rod on the front side secures plates and allows barcode reading
- Aluminum
- Autoclavable

Accommodates:

- 18 Low Profile Microplates
- 10 Standard Height Microplates
- (6) 1 mL Deep Well Plates
- (5) 2 mL Deep Well Plates

Nunc Vertical Microplate Storage Racks

Cat. No.	Color	Material	L x W, cm (in.)	No. per Case
367001	Blue	Aluminum	13.5 x 9.5 (5.31 x 3.74)	1
367002	Natural	Aluminum	13.5 x 9.5 (5.31 x 3.74)	1

► Thermo Scientific Nunc-Immuno Washers



Nunc™-Immuno™ Washers allow flexible washing procedures and are ideal for low throughput labs that do not have microplate washers.

The Nunc Immuno Washer is available in 8- and 12-channel versions to fit all 96-well plates.

Adjustable to all well shapes. No electrical connections required.

details

- Uniform and efficient washing
- Simple and easy to use
- Can be autoclaved for sterilization
- Design eliminates overfilling and cross-contamination
- Autoclavable at 121°C (250°F) for sterilization of immuno washer

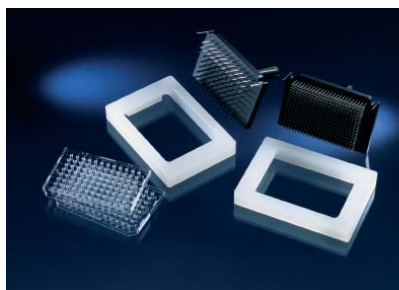
Ordering Information: Dimensions: 10.25 L × 4.5W × 3.75 in. D (26 × 11.5 × 9.5 cm).

Includes: Two thumbscrews and one ruler for required adjustments for washing alternative well types; rack for secure storage support; spare parts kit for routine maintenance and cleaning wire. Spare parts kit includes five different O-rings and one spring.

Nunc-Immuno Washers

Cat. No.	Description	Includes
470174	8-Channel Washer	Spare parts kit, ruler and rack
470175	12-Channel Washer	Spare parts kit, ruler and rack

► Thermo Scientific Nunc Replication System



Nunc™ Replication Systems are designed for the replication of DNA libraries and are ideal for transferring small volumes from plate to plate.

These replication systems work with Nunc 96- and 384-well microplates.

Ideal for transferring small volumes of inoculum from plate to plate or membrane.

details

- Pins transfer 1.0 μL of liquid or 0.1 μL to solid supports
- Pins are flame-proof stainless steel for sterilization
- MicroWell™ copier alignment device simplifies conversion of 96-MicroWell plates to 384-well format
- Flame-proof stainless steel pins on 96- and 384-Pin Replicator
- For use with 96- and 384-Well Plate and OmniTray

Nunc Replication System

Cat. No.	Description	Fits	L x W x H, mm	Material	Volume, μL
250393	Replicator	384-wells	121.6 x 83.3 x 135.4	Anodized aluminum with stainless steel pins	1 \pm 0.1
250520	Replicator	96-wells	121.6 x 83.3 x 135.4	Anodized aluminum with stainless steel pins	1 \pm 0.1

► Thermo Scientific Nalgene Disposable Polypropylene Robotic Reservoirs



Nalgene™ Disposable Robotic Reservoirs with a standard microplate format with 300 mL volume increase walk-away time and assay efficiency.

The convoluted design minimizes dead volume and has baffles to reduce splashing. The flat bottom version is designed to meet a variety of assay needs in both manual and automated environments.

details

- Convoluted bottom design is most effective with a 96-well format
- Flat Bottom design can be used with single, 6-, 12-, 96-, 384- and 1536-well formats
- Polypropylene construction withstands robotic liquid handling, making it easier to run automated assays and increasing walk-away time
- Compatible with most robotic arms, plate stackers (hotels), plate cranes and platform configurations
- Reservoir volume is 300 mL (345 mL brim capacity), with molded-in graduations every 100 mL
- Nestable, for easy automated stacking and handling

Dimensions: 3.4 L × 5 W × 1.75 in. H (86 × 128 × 43 mm)

Compliance: Meets the recommendation of American National Standards Institute (ANSI).

Nalgene Disposable Polypropylene Robotic Reservoirs

Cat. No.	Bottom Shape	Total Vol., μ L	Sterile	No. per Pack	No. Per Case
1200-1300	Flat	300	No	4	40
1200-1301	Flat	300	Sterile	4	40
1200-2300	Convoluted	300	Sterile	4	40
1200-2301	Convoluted	300	No	4	40

► Thermo Scientific Nunc Sealing Tapes



Nunc™ Sealing Tapes minimize evaporation and protect samples from contamination and spilling.

Adhesive seals are ideal for all assay applications.

details

- Wide range of adhesive seals for every assay
- Adhesive seals effectively seal all microplate formats
- Pressure-sensitive adhesive is not tacky to touch; but forms a strong bond to the plate upon application of pressure
- Thin, lightweight tapes seal onto the plate with a convenient, handheld applicator (available separately, Cat. No. 250050)



Cat. No. 250050

Nunc Sealing Tapes

Cat. No.	Material/Adhesive	Application	Color	Sterile	Pierceable	Certified RNase/ DNase-free	Temperature Range	No. per Pack	No. Per Case
232698	Aluminum/Acrylate	PCR and storage in 96-well plates	Silver	No	Yes	Yes	-80° to +150°C	100	100
232699	Aluminum/Acrylate	PCR and storage in 384-well plates	Silver	No	Yes	Yes	-80° to +150°C	100	100
232701	Polyolefin/Acrylate	Low autofluorescence; DMSO compatible; microscopy	Clear	No	No	No	-70° to +100°C	100	100
232702	Polyolefin/Acrylate	PCR; fluorescence assays; microscopy	Clear	No	No	Yes	-70° to +100°C	100	100
235306	Polyethylene/Silicone	Repeated piercing; low autofluorescence	Clear	No	Yes	No	-40° to +90°C	100	100
235307	Polyolefin/Silicone	Q-PCR; microscopy, lowest fluorescence	Clear	No	No	No	-70° to +100°C	100	100
236269	Polyester/Acrylate	Stiffer than polyolefin; general purpose	Clear	No	No	No	-20° to +100°C	200	800
236272	Polyester/Acrylate	Opaque; luminescence assay; bottom of plate	White	No	No	No	-40° to +80°C	50	50
236366	Polyester/Acrylic	Cell culture; sterile applications	Clear	Yes	No	No	-70° to +100°C	200	800
236370	Polyester/Silicone	General purpose; sample protection	Clear	No	No	No	-70° to +100°C	100	100
236703	Vinyl/Acrylate	For plate top or bottom; photo-sensitive samples	Black	No	No	No	-40° to +80°C	50	50
236707	Polyester/Acrylic	Convenient roll dispenser; general purpose	Clear	No	No	Yes	-20° to +100°C	1000	1000
236710	Polyolefin/Acrylate	Convenient roll; low autofluorescence; DMSO	Clear	No	No	Yes	-70° to +100°C	400	400
241205	Rayon/Acrylate	Breathable; cell culture	White	Yes	Yes	No	-20° to +80°C	20	50
249720	Rayon/Acrylate	Breathable	White	No	No	Yes	-20° to +80°C	50	50
276014	Aluminum/Silicone	General use, PCR, photo-sensitive samples	Silver	No	Yes	Yes	-80° to +120°C	100	100
250050		Hand held applicator promotes consistent seal	Gold		No	No		2	2

► Thermo Scientific Automated Adhesive Seals



Adhesive seal rolls are designed for use with the automated adhesive sealers.

The automated format provides efficient sealing for high-throughput applications at a lower cost per plate.

details

Adhesive PCR Foil Roll

- Strong adhesive seal prevents evaporation during sample storage or thermal cycling, while allowing sample access by piercing foil with pipet tips
- No adhesive build-up on tips after piercing
- PCR Foil Seals are recommended for use in conjunction with a cycler that has a screw-down or clip-down lid
- Temperature range: -80°C to +150°C

Adhesive PCR Film

- Optically-clear adhesive plate seal for sample storage; thermal cycling with screw down or clip down lid.
- Strong adhesive, peelable with no sticky residue left on the plate.
- Temperature range: -20°C to 120°C

ABsolute QPCR Seal Roll

- Optically-clear adhesive plate seal is designed for fluorescence applications, including QPCR
- Features strong pressure-sensitive, non-sticky adhesive that prevents evaporation during sample storage or thermal cycling
- Seals are easily peelable, but leave no sticky residue on the plate when removed
- Recommended for use in conjunction with a cycler that has a screw-down or clip-down lid
- Temperature range: -80°C to +110°C
- Optically-clear, pressure-sensitive, non-sticky adhesive seal for crystallography and genotyping applications

Adhesive Crystallography Seal Roll

- Samples are not exposed to adhesive
- Seal is easily peelable without leaving residue on the plate
- Temperature range: -70°C to +110°C

Adhesive Seals

Cat. No.	Description	Dimensions, mm	No. per Case
AB-2170	ABsolute QPCR Seal: Optically-clear, peelable with no sticky residue left on the plate; Ideal for fluorescence applications such as QPCR	80 x 250	1
AB-2450	Adhesive Crystallography Seal Roll Optically-clear, peelable with no sticky residue left on the plate; Ideal for crystallography and genotyping	80 x 250	1
AB-2558	Adhesive PCR Film: Strong adhesive, peelable with no sticky residue left on the plate; Suitable for sample storage; Thermal cycling with screw down or clip down lid	80 x 100	1
AB-2626	Adhesive PCR Foil: Strong adhesive peelable can be pierced with a pipette tip; Suitable for sample storage; Thermal cycling with screw down or clip down lid	80 x 100	1

► Thermo Scientific SuperSealer



Ensure a proper seal on plates, blocks and storage tube racks with the Thermo Scientific SuperSealer.

Choose individual sealing options such as Thermo Scientific Matrix SepraSeal mats for liquid handling and single tube accessibility or seal entire plates and blocks for storage with Thermo Scientific Nunc CapMats. Effectively apply adhesive tape seals and ensure a tight seal with the included SuperSealer Adhesive Seal Mat.

details

Sealing Simplicity

- Simplifies the sealing of plates, blocks and tube racks of virtually any height, with no adjustments needed, ensuring a secure and consistent seal
- Once the seal along with the plate, block or tube rack are placed into the drawer, simply close the door to initiate sealing

Sealing Flexibility

- Designed to work with Thermo Scientific Matrix SepraSeal mats, any CapMats or any pre-cut adhesive tape seal, you can be assured a proper seal regardless of sealing option

Includes: Automatic cap, tape and SepraSeal mat applicator

Warranty: 1 Year in-factory warranty on parts and labor

Certifications: CE Marked

Specifications	
Speed	10-15 seconds/plate, block or rack of tubes
Dimensions W x D x H	165 x 317.5 x 343 mm (6.5 x 12.5 x 13.5 in.)
Weight	13.5 kg (30 lbs.)
Power Supply	110-240V

**The SuperSealer is designed to only work with full racks of tubes*

SuperSealer

Cat. No.	Description
4110-11	Thermo Scientific Super Sealer
4423	Mat for Adhesive Seal Application with Super Sealer

► Thermo Scientific ALPS 25 Manual Heat Sealer



The ALPS 25 manual heat sealer is a simple-to-use, hand-operated sealer designed for low-throughput labs.

Heat sealing offers superior sample protection of storage and reaction plates in applications including compound storage, sample archiving and PCR applications.

details

Sealing Flexibility

- Compatible with virtually any height microplate or block, including PCR plates
- Choose from a wide range of heat seals for any application, including pierceable, optically-clear and permanent

Safe, Compact Design

- Built-in thermostat controls trigger automatic system shutoff to prevent overheating of the ALPS 25 sealer
- Lightweight with small footprint for ease of placement and relocation

Compatible Products: The ALPS 25 sealer is part of a complete line of microplate heat sealing instruments. For enhanced ergonomics, and variable time and temperature settings, consider the semi-automated Thermo Scientific ALPS 50 V microplate heat sealer. For automated microplate sealing, see the Thermo Scientific ALPS 3000.

Warranty: 1 year in-factory warranty on parts and labor.

Certifications: CE marked.



Specifications	
Operating Temperature Range	10° to 35°C
Sealing Temperature Range	Ambient to 220°C
Operating Humidity Range	10 to 80%
Fuse	5A/110V/500W
Power Supply	5A (AB-0384/110); 3.15A (AB-0384/220)
Dimensions W x D x H	140 x 330 x 150 mm (5.5 x 13 x 5.9 in.)
Weight	3.4 kg (7.5 lbs.)

ALPS 25 Manual Heat Sealer

Cat. No.	Description	No. per Case
AB-0384/110	ALPS 25 Manual Heat Sealer, 100 Volt	1
AB-0384/220	ALPS 25 Manual Heat Sealer, 220 Volt	1

ALPS Heat Sealer Accessories

Cat. No.	Description	No. per Case
AB-0563/1000	96Well PCR Plate Carrier	1
AB-0579	96-Pin Pierce Plate	1
AB-0592	Foil Stripper	1
AB-0724	384Well PCR Plate Carrier	1
AB-0827	Standard Microplate Carrier	1
AB-1118	96Well (V) Conical Bottom Storage Plate Carrier	1
AB-1177	ALPS 25 Sealer Stand and Shuttle Assembly Upgrade	1

► Thermo Scientific ALPS 50 V Microplate Heat Sealer



The ALPS 50 V semi-automated microplate heat sealer is designed to provide sealing consistency in low to medium throughput labs.

Heat sealing offers superior sample protection of storage and reaction plates in applications including compound storage, sample archiving and PCR.

With the semi-automated ALPS 50 V microplate heat sealer, secure tight seals around individual wells eliminate sample loss through evaporation and cross contamination between wells. Choose from a wide range of heat seals, including pierceable, optically-clear and permanent, for any application.

details

Application Flexibility

- Simple on-board touch pad controls adjust sealing temperature and time for reproducible results
- Audible alarm indicates sealing completion

Ergonomic Design

- Compact footprint conserves bench space
- Counter lever handle design provides minimal strain when operating the instrument
- Lightweight, at only 7.2kg (15.9 lbs.) for easy relocation

Warranty: 1 year in-factory warranty on parts and labor

Certifications: CE marked



Specifications	
Temperature Setpoint Range	125° to 200°C in 1°C increments
Time Set Point Range	1 to 9 seconds in 0.5 second increments
Operating Temperature Range	18° to 30°C
Humidity Control	20-80% noncondensing
Power Rating	100-130V – T3.15A (IEC 127) or 220-240V – T1.6A (IEC 127)
Power Supply	100-130 VAC, 50-60Hz or 220-240 VAC, 50-60Hz, 350W fuse
Fuse	350W
Mains Input Connector	IEC 320
Dimensions W x D x H	220 x 321x 425 mm (8.7 x 12.6 x 16.7 in.)
Weight	7.2 kg (15.9 lbs.)

ALPS 50 V Microplate Heat Sealer

Cat. No.	Description	No. per Case
AB-1443	ALPS 50 V Semi automated Microplate Heat Sealer	1

ALPS Heat Sealer Accessories

Cat. No.	Description	No. per Case
AB-0563/1000	96Well PCR Plate Carrier	1
AB-0579	96-Pin Pierce Plate	1
AB-0592	Foil Stripper	1
AB-0724	384-Well PCR Plate Carrier	1
AB-0827	Standard Microplate Carrier	1
AB-1118	96-Well (V) Conical Bottom Storage Plate Carrier	1
AB-1177	ALPS 25 Sealer Stand and Shuttle Assembly Upgrade	1

► Thermo Scientific ALPS 3000 Automated Microplate Heat Sealer



ALPS 3000 microplate heat sealer is a fast, compact heat sealer created for optimal robotic integration in high-throughput labs, yet allows manual, benchtop control.

details

- Compact footprint (165 x 405 mm) to conserve bench space
- Top-loaded seals are easily accessible

Fast, Easy-to-use

- Light (11.8kg / 26 pounds)
- Seals are top-loading and easily accessible
- Rapid plate sealing action (6 seconds/plate) in either high-throughput robotic applications or benchtop, hand-fed operations
- Available with a variety of available heat seals to meet any laboratory application, including PCR, colorimetric, fluorescence, long-term storage, low temperature storage, piercing and resealing
- On-board touch screen operation for benchtop use and RS232 port with included ASCII programming parameters for robotic integration

Safe and Secure

- Sensors detect the presence of sealing tape and plate
- Air input allows automatic system shutoff to eliminate product waste, system hold-ups and potential injury

Sealing Flexibility

- Compatible with virtually any height microplate or block, including PCR plates

Warranty: 1 Year in-factory warranty on parts and labor

For Compatible Heat Seals Accessories used with this product please see page 10, *Heat Seals*.

Certifications: CE Marked



see page 463

for heat seals accessories compatible with this product

Specifications	
Dimensions W x D x H	414 x 185 x 350 mm (16.3 x 7.3 x 13.8 in.)
Weight	12 kg (26.5 lbs.)
Speed	6 to 12 seconds per plate
Power Supply	110-240 VAC, 50-60 Hz
Air Requirements	50 liters per minute
Air Input Pressure	5.5 bar (80psi) to 5.7 bar (87psi)
Sealing Temperature Range	Ambient to 200°C
Operating Temperature Range	15° to 40°C
Sealing Plate Height, mm	8 to 46

ALPS 3000 Automated Microplate Heat Sealer

Cat. No.	Description	No. per Case
AB-3000	ALPS 3000 Automated Microplate Heat Sealer	1
AB-0592	Foil Stripper	1