



superior performance
in virtually every application

Thermo
SCIENTIFIC
Part of Thermo Fisher Scientific

decades of experience
bring innovation to life



Rely on Thermo Scientific Nunc Microplates
for consistency through all your processes

Therapeutic drugs have played a major role in improving the life expectancy and the quality of life of people around the world for more than 100 years. Over time, there has been a shift in origin from natural and botanical to synthetic and semi-synthetic as our technologies have become more sophisticated and the processes used in drug discovery have changed. Advances in microbiology, organic chemistry and biochemistry have provided momentum in development, leading to discovery of more targeted and complex drug products.

And because the process of discovering new pharmaceuticals to treat disease is a long and arduous one, researchers look to companies like Thermo Fisher Scientific for the tools to not only aid them in their research but to advance it.

The Thermo Scientific line of microplates and microplate accessories is unmatched in quality and breadth. Researchers the world over rely on Thermo Scientific Nunc microplates for their high quality and many formats. Whether you're culturing individual cell

lines or scaling up for high throughput screening, or anything in between, there's a Thermo Scientific plate for your needs. Advances in manufacturing for surface technology, well geometry and optical flatness mean we have a plate tailored for your specific application. For an online guide to help you select the best Thermo Scientific plate for your research, visit www.thermoscientific.com/plateguide.

Choose only Thermo Scientific Nunc products - the most reliable plates and accessories available.

Optical Bottom Microplates


for imaging applications

Thermo Scientific Nunc 96- and 384-well Optical Bottom Plates are ideal for microscopic applications. Black microplates are recommended for fluorescence measurements, with minimum back-scattered light and background fluorescence. White Nunc™ microplates are recommended for luminescence measurements, with maximum reflection and minimal autoluminescence. Nunc Optical Bottom Plates are available with several treatment options.

Poly- D-Lysine and Collagen coating are ideal for cells characterized by 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 suited for growth of suspension cultures that can proliferate and grow without attachment. These also are ideal if you prefer to coat the plates yourself.



White plates are best for luminescence measurements, with maximum reflection and minimal autoluminescence

Polystyrene Microplates

for manual or robotic assays

Thermo Scientific Nunc 96- and 384-well Polystyrene (PS) Plates are optimized for robotic instruments, plate readers and liquid handling systems. PS is the perfect material for many plate applications, with its optical clarity and versatility with surface treatments. Background, autofluorescence and cross-talk are minimized when you use black or white microplates.

96-well Microplates are used for antibiotic screens, cell-based assays and screening compounds.

384-well Microplates conserve samples and reagents, providing cost savings and greater screening productivity.

Untreated Surfaces are ideal for adding coatings in your lab.

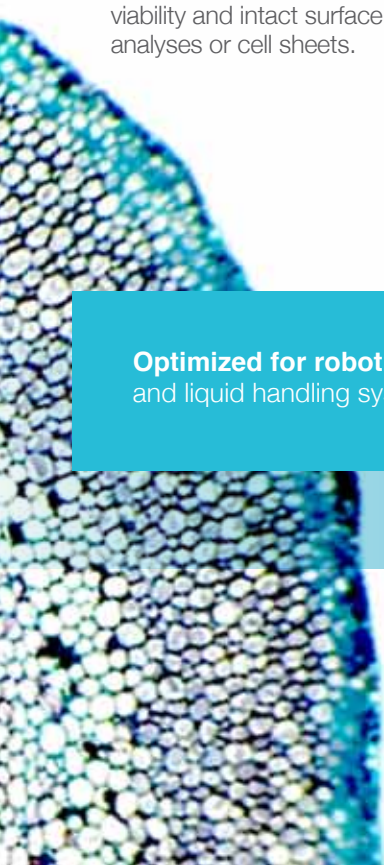
Cell Culture Treated: the Nunclon Delta cell culture surface is a hydrophilic surface that promotes cell attachment and growth.

Hydro Cell and Low Cell Binding Surfaces enable cultivation of adherent cells in suspension. Ideal for working with embryoid bodies and neurospheres.

UpCell Surface is a temperature-responsive surface; enables non-enzymatic harvesting of cells with high viability and intact surface proteins for single-cell analyses or cell sheets.



Optimized for robotic instruments, plate readers and liquid handling systems



Polypropylene Microplates

for storage applications

Nunc Polypropylene (PP) Plates are ideal for storage because of the low binding characteristics of polypropylene. Proteins and DNA will not adhere to PP, allowing for complete sample recovery. Polypropylene withstands temperatures from -80 to +121°C, has excellent chemical resistance properties, and is available in a variety of colors for quick identification of your storage plates. Nunc PP plates feature a raised rim around each well to facilitate effective heat sealing.

96-well Plates feature the Nunc shared wall design which yields increased well volume. They are available with conical bottom for optimal sample recovery or round well bottom for improved mixing within the well.

96-well DeepWell Plates accommodate larger working volumes – up to 1ml or 2ml storage volumes per well.

384-well Plates are ideal for small volume storage applications; available with conical wells for optimal sample recovery or square rounded wells to minimize wicking.

384-well DeepWell Plates store more material and are ideal for compound library storage.



Proteins or DNA will not adhere to PP, allowing for **complete sample recovery**

1536-well Polystyrene Microplates

for high throughput screening

Thermo Scientific Nunc 1536-well High Base Microplates are ideal for high-throughput screening. They optimize small volumes and allow users to screen four times as many samples in one plate. Two designs are available in our 1536 Well plates. The standard low-profile plate is optimized for stacking efficiency. The high base design features a skirt around the base of the plate, making it suitable for robotic handling.

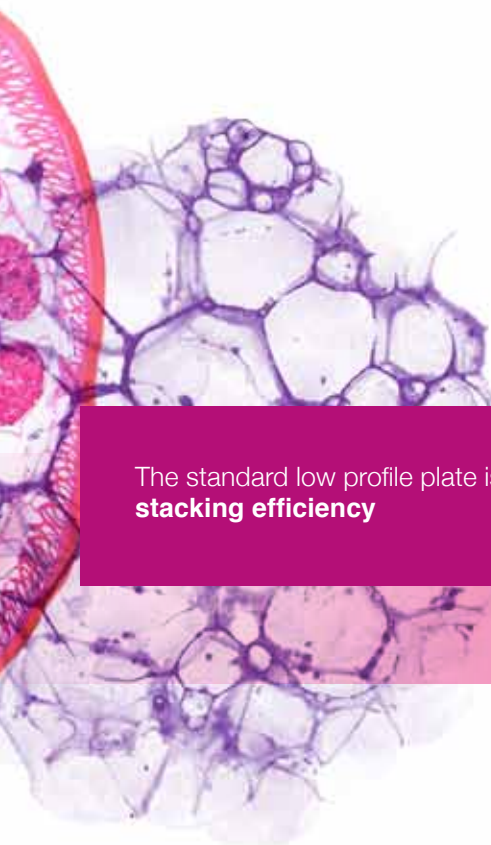
Black Microplates are recommended for fluorescence measurements with minimal back-scattered light and background fluorescence.

White Microplates are recommended for luminescence measurements with maximum reflection and minimal autoluminescence.

The **Nunclon Delta** cell culture treated surface is a hydrophilic surface that promotes cell attachment and growth.



The standard low profile plate is **optimized for stacking efficiency**



we make it easy

Want to validate our plates in your application?

Visit www.thermoscientific.com/ddplates and select up to three plates you want to try. We know you'll like them!

Nunc custom barcoding can help you simplify

your tracking & inventory management; visit <http://www.thermoscientific.com/barcodeconfigurator> to create the barcode scheme suited to your inventory system.

www.thermoscientific.com/barcodeconfigurator



The range of **Thermo Scientific microplate adhesive seals**, heat seals and heat sealers provides you reliable options for maintaining the integrity of your plate contents.

www.thermoscientific.com/sealers

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