

Thermo Scientific
PCR Plastics
Selection Guide



High performance precision manufacturing

- Designed, manufactured and tested to ensure optimal PCR and qPCR performance
- White plastics optimized for qPCR
- Wide range of sealing and sample storage options
- Standard and customized plate barcoding

Thermo
SCIENTIFIC



Supporting
great science
through innovation
in molecular biology

For years the Thermo Scientific™ Molecular Biology portfolio has represented leading technology, reliable results and superior service. Our innovations produced next generation enzymes, the highest fidelity polymerases and most thermostable reverse transcriptases. Today, the people behind our expanding portfolio remain committed to supporting your research and making it even easier for you to do great science.

Our passion – your results

Thermo
SCIENTIFIC

All PCR plastics
are the same.

Right? Wrong.

For over 20 years we have been supplying a comprehensive range of high-quality consumables for molecular biology research. These trusted products represent the most complete, state-of-the-art offering for molecular biology research.

Protect your entire PCR workflow by choosing the most reliable plastics available. Our PCR plastics are designed, manufactured, and tested to ensure optimal PCR performance.

thermoscientific.com/onebio

Not all PCR plastics are created equal

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96-Well

Clear Bottom	Low Profile	16
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Checking a plate

Please refer to the following checklist before using. Always double-check numbers for your instrument. Please read manual before activation. All qPCR applications are for testing. Refer manual for plate or tube layout or use of PCR plates after the manual. Right when values are using any terms using barcode label for identification. Update your data files.

Plate	Well	Barcode	Well	Barcode	Well	Barcode	Well	Barcode	Well	Barcode	Well	Barcode	Well	Barcode	Well	Barcode	Well	Barcode	Well	Barcode															
A1			A2			A3			A4			A5			A6			A7			A8			A9			A10			A11			A12		
B1			B2			B3			B4			B5			B6			B7			B8			B9			B10			B11			B12		
C1			C2			C3			C4			C5			C6			C7			C8			C9			C10			C11			C12		
D1			D2			D3			D4			D5			D6			D7			D8			D9			D10			D11			D12		
E1			E2			E3			E4			E5			E6			E7			E8			E9			E10			E11			E12		
F1			F2			F3			F4			F5			F6			F7			F8			F9			F10			F11			F12		
G1			G2			G3			G4			G5			G6			G7			G8			G9			G10			G11			G12		
H1			H2			H3			H4			H5			H6			H7			H8			H9			H10			H11			H12		
I1			I2			I3			I4			I5			I6			I7			I8			I9			I10			I11			I12		
J1			J2			J3			J4			J5			J6			J7			J8			J9			J10			J11			J12		

Tip

Always double-check the barcode label for identification. Update your data files.

DOMINIQUE RECHER SAS

Choose the right plate for your cyclone

To ensure proper fit and uniform flow, Spiritech, we've designed our plate types across a broad range of PCB and gPCB cyclones and configurations. Choose a plate that has been optimized for use with your separator.

Amplify with confidence

Our industry-leading manufacturing process does not utilize any shortcuts and is carried out in a world-class facility serving qualified suppliers. Our PCB products manufacturing facility is fully focused on the production of high-quality molecular grade products. Our team of engineers, molecular biologists and QM/SA managers have years of experience needed to deliver reliable products that guarantee accurate and reproducible PCB data. Thermocoupled™ PCB plates are designed, manufactured and tested to ensure PCB performance.

PCR-Processed manufacturing

Advanced products

Our advanced products are our most advanced and highest quality plates. They are produced using PCR-processed materials and are designed to provide the highest quality performance.

In addition, during operation maximum production capacity can be achieved through PCR-processed materials. This means a higher number of plates can be used in the same separator, and therefore more plates can be used in the same separator.

High surface porosity/permeability

The porous surface is a result of the PCR-processed materials used in the separator. This means that the surface is highly porous and permeable, allowing for a high flow rate and high efficiency.

Proven and optimized performance

Our PCR-processed materials are proven and optimized for use in the PCB separator. This means that the plates are designed to provide the highest quality performance and are optimized for use in the separator.



Optimized end GC testing

Highly porous

Our highly porous plates are designed to provide the highest quality performance and are optimized for use in the separator.

Proven and optimized performance

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Innovative product design

High efficiency

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White plastics – optimized for qPCR

As with any fluorescence-based assay, qPCR requires specialized plastics to achieve optimal results. Thermo Scientific™ white qPCR plastics are designed to enable sensitive and accurate fluorescence detection. When used together with Thermo Scientific™ Ultra-Clear caps or optical seals, these products will increase sensitivity and reduce variability in your qPCR assay.

Increased sensitivity

White plates give maximum signal reflection

Our white plates reflect significantly more signal than traditional clear plates. The improved signal reflector ensures that even the lowest levels of fluorescence are detected.

White plates reflect significantly more signal than clear plates.



Figure 4. Three 96-plate qPCR plates were added together while on clear plates and measured using a Q2 system. White plates reflect a signal more effectively than clear plates resulting in a higher signal to noise ratio.

For improved detection of low copy number targets,

Optical seals allow for maximum signal transmission

Our Thermo Scientific™ Adhesive™ qPCR adhesive seal features a pressure-sensitive sealing design. This non-tacky adhesive binds to the well rim only upon application of pressure. This creates a strong seal only where it is needed, and leaves well openings ultra-clear for maximum fluorescence transmission.

Increased signal reflection leads to lower Cq values.



Figure 5. 10¹, 10², 10³, 10⁴, or 10⁵ copies of target DNA were amplified using the same primers. DNA was amplified using the clear and white plates. The white plate consistently resulted in lower Cq values for the same copy number.

Reduced variability

White well walls enable consistent signal reflection

White well walls prevent signal from passing through to the cycle block where it can be inappropriately reflected or absorbed. This keeps wavelengths in the cycle block from affecting your qPCR data.

White well walls prevent signal reflection and absorption.



Figure 6. Clear well walls allow signal reflection through to the cycle block where it can be partially absorbed, reducing well-to-well variability. White well walls can non-transparently hold the signal to prevent signal loss.

For tighter technical replicates and improved assay reproducibility,

High-quality seal manufacture ensures consistent signal transmission and secure sealing

Thermo Scientific™ qPCR seals are precision manufactured for consistent seal thickness and transparency, resulting in equal signal transmission across the entire plate. The pressure-sensitive adhesive used creates a secure bond to minimize evaporation and maintain high PCR efficiency in each sample.

Reduced well-to-well variability produces more consistent qPCR data.



Figure 7. White plates (left) and clear plates (right) across four individual plates of human genomic DNA. Signal reflection has demonstrated increased variability in clear plates.

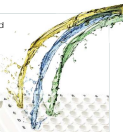
Become a luminary in your qPCR world

Thermo Scientific™ Lumina™ Color is an advanced line of high performance qPCR master mixes with built-in multicolor system for visual control over pipetting process and carry-over contamination. Singant Hot Start chemistry combats with optimized buffer system ensures the most consistent and repeatable qPCR results on all runs.

- Blue Master Mix and Yellow Sample Buffer for easy pipetting
- Ultra DNA glycosylase (UDG) in the Master Mix to prevent carry-over contamination
- Specialized formulations for probe and TaqMan™ Green chemistry across qPCR platforms.

For more information, visit

thermo.com/whiteplates



PCR tubes & strips



Individual Tubes

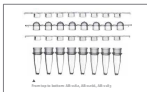
- Compatible with standard 0.2 ml, or 0.5 ml, thermal cycler blocks
- Ultra-thin wall (UTW) low-profile for fast PCR applications
- Caps form a secure seal, yet are easy to open and close
- Also available in assembled racks

Ordering Information

0.2 ml Individual Tubes	0.5 ml Individual Tubes	1.5 ml Individual Tubes
8810000 - 95°C w/ClonCap - Clear	8810000 - w/ClonCap - Clear	8810000 - w/ClonCap - Clear
8810001 - 95°C w/ClonCap - White	8810001 - w/ClonCap - White	8810001 - w/ClonCap - White
8810002 - 95°C w/ClonCap - Black	8810002 - w/ClonCap - Black	8810002 - w/ClonCap - Black
Part Size: 500 Tubes	Part Size: 500 Tubes	Part Size: 100 Tubes

8810000 - 95°C w/ClonCap - Clear	8810000 - w/ClonCap - Clear	8810000 - w/ClonCap - Clear
8810001 - 95°C w/ClonCap - White	8810001 - w/ClonCap - White	8810001 - w/ClonCap - White
8810002 - 95°C w/ClonCap - Black	8810002 - w/ClonCap - Black	8810002 - w/ClonCap - Black
Part Size: 500 Tubes	Part Size: 500 Tubes	Part Size: 100 Tubes

8810000 - 95°C w/ClonCap - Clear	8810000 - w/ClonCap - Clear	8810000 - w/ClonCap - Clear
8810001 - 95°C w/ClonCap - White	8810001 - w/ClonCap - White	8810001 - w/ClonCap - White
8810002 - 95°C w/ClonCap - Black	8810002 - w/ClonCap - Black	8810002 - w/ClonCap - Black
Part Size: 500 Tubes	Part Size: 500 Tubes	Part Size: 100 Tubes



0.2 ml Strip Tubes

- Compatible with 0.2 ml thermal cycler blocks
- Ultra-Clear options ideal for use in qPCR assays
- Caps form a secure seal, yet are easy to apply and remove
- 8 tubes per strip

Ordering Information

0.2 ml Strip Tubes	0.5 ml Strip Tubes	1.5 ml Strip Tubes
8810000 - 95°C w/ClonCap - Clear	8810000 - w/ClonCap - Clear	8810000 - w/ClonCap - Clear
8810001 - 95°C w/ClonCap - White	8810001 - w/ClonCap - White	8810001 - w/ClonCap - White
8810002 - 95°C w/ClonCap - Black	8810002 - w/ClonCap - Black	8810002 - w/ClonCap - Black
Part Size: 200 Tubes/Strip Tube	Part Size: 200 Tubes/Strip Tube	Part Size: 100 Tubes/Strip Tube
8810000 - 95°C w/ClonCap - Clear	8810000 - w/ClonCap - Clear	8810000 - w/ClonCap - Clear
8810001 - 95°C w/ClonCap - White	8810001 - w/ClonCap - White	8810001 - w/ClonCap - White
8810002 - 95°C w/ClonCap - Black	8810002 - w/ClonCap - Black	8810002 - w/ClonCap - Black
Part Size: 200 Tubes/Strip Tube	Part Size: 200 Tubes/Strip Tube	Part Size: 100 Tubes/Strip Tube



EasyStrip - Attached Cap Strip Tubes

- PCR strip tubes with individually attached caps for easy sample access
- Compatible with 0.2 ml thermal cycler blocks
- Ultra-Clear cap options ideal for use in qPCR assays

Ordering Information

EasyStrip Attached Cap Strip Tubes
8810000 - 95°C w/ClonCap - Clear
8810001 - 95°C w/ClonCap - White
8810002 - 95°C w/ClonCap - Black
Part Size: 200 Strips. Not available in UK.



Low Profile Strip Tubes

- Ideal strip for reactions volumes below 20 µl
- Compatible with 0.2 ml thermal cycler blocks
- Low profile to reduce dead space and increase PCR efficiency
- Labeled-A-ii and base

Ordering Information

Low Profile Strip Tubes

8810000 - w/ClonCap - Clear	8810000 - w/ClonCap - Clear
8810001 - w/ClonCap - White	8810001 - w/ClonCap - White
8810002 - w/ClonCap - Black	8810002 - w/ClonCap - Black
Part Size: 200 Tubes/Strip Tube	Part Size: 200 Tubes/Strip Tube





96-Well Non-Skirted, Low Profile

- Low profile to reduce dead space and increase PCR efficiency
- Available with black alpha-numeric labeling
- Impedanceless for liquid handling
- Maximum well volume: 0.2 mL
- Cut Corner: H2

Ordering information

96-Well Non-Skirted, Low Profile

Part No.	Color	Labeling	Well Volume
96-0100-01	Clear	None	0.2 mL
96-0100-02	Black alpha-numeric	None	0.2 mL
96-0100-03	Clear	Black alpha-numeric	0.2 mL
96-0100-04	Black alpha-numeric	Black alpha-numeric	0.2 mL

Part size: 30 plates



96-Well Non-Skirted, Standard

- Non-skirted format compatible with most thermal cyclers
- Available with black alpha-numeric labeling
- Maximum well volume: 0.3 mL
- Cut Corner: H2

Ordering information

96-Well Non-Skirted, Standard

Part No.	Color	Labeling	Well Volume
96-0200-01	Clear	None	0.3 mL
96-0200-02	Black alpha-numeric	None	0.3 mL
96-0200-03	Clear	Black alpha-numeric	0.3 mL
96-0200-04	Black alpha-numeric	Black alpha-numeric	0.3 mL

Part size: 30 plates



96-Well Ultra Thin Wall, PCR Plates and Frames

- Ultra Thin Wall (UTW) for fast PCR/qPCR applications
- Low profile
- Designed for use with the Thermo Scientific™ Piko™ and Thermo Scientific™ PikoFlex™ 96-well thermal cycles
- Plates can be snapped into plate frame to create a standard 96-well plate
- Compatible with standard multi-channel pipettes and liquid handling platforms
- Well spacing and footprint conform to industry (ANSI) dimensions
- Maximum well volume: 40 µL

Ordering information

Part No.	Color	Labeling	Well Volume
96-0300-01	Clear	None	40 µL
96-0300-02	Black alpha-numeric	None	40 µL

Part size: 30 plates



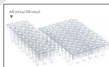
96-Well Ultra Thin Wall, PCR Plates and Frames

- Ultra Thin Wall (UTW) for fast PCR/qPCR applications
- Low profile
- Designed for use with the Piko and PikoFlex 96-well thermal cycles
- Plates can be snapped into plate frame to create a standard 96-well plate
- Compatible with standard multi-channel pipettes and liquid handling platforms
- Well spacing and footprint conform to industry (ANSI) dimensions
- Maximum well volume: 0.2 mL

Ordering information

Part No.	Color	Labeling	Well Volume
96-0400-01	Clear	None	0.2 mL
96-0400-02	Black alpha-numeric	None	0.2 mL

Part size: 30 plates



24- and 48-Well Semi-Skirted, Segmented

- Conveniently pre-cut into 24- or 48-well segments
- Semi skirt adds rigidity and allows for stacking or latching
- Maximum well volume: 0.3 mL

Ordering information

Part No.	Color	Labeling	Well Volume
96-0500-01	Clear	None	0.3 mL
96-0500-02	Black alpha-numeric	None	0.3 mL
96-0500-03	Clear	Black alpha-numeric	0.3 mL
96-0500-04	Black alpha-numeric	Black alpha-numeric	0.3 mL
96-0500-05	Red	None	0.3 mL
96-0500-06	Black alpha-numeric	Red	0.3 mL

Part size: 30 plates

The ultimate plate for high-throughput PCR and automated handling

Thermo Scientific™ Amax™ PCR plates combine the rigidity of a polycarbonate frame with thin-walled polypropylene wells to provide superior thermal cycling performance under all conditions without warping. Amax™ plates are available in 96- and 384-well multiple colored well formats. They can be ordered with a standard 128 barcode or custom barcoding. The specially designed well-resistant frame and multiple format options make Amax™ PCR plates the ultimate choice for high throughput and automated handling.

- Polycarbonate frame for well-resistant thermal cycling
- Enhanced mechanical stability for robotic handling
- Thin-walled wells for optimal heat transfer
- Optimized well shape for maximum sample recovery
- Flat alpha numeric labeling and raised rim well design for improved heat sealing
- Optically clear disk allows for easy visibility of wells
- Multiple frame color options, all available in both clear (for PCR) and white colored wells (for qPCR)

• For full cut menu, visit
www.thermo.com/amax

384-Well Amax™

- See above for product details
- Maximum well volume: 40 µL
- Cut Corner: AG1

Ordering Information

Part No.	Color	Barcode	Well Volume	Well Depth	Well Diameter
80-384-001	Clear	Standard	40 µL	10.5 mm	9.5 mm
80-384-002	White	Standard	40 µL	10.5 mm	9.5 mm
80-384-003	Clear	Custom	40 µL	10.5 mm	9.5 mm
80-384-004	White	Custom	40 µL	10.5 mm	9.5 mm

Part size: 50 plates

Part size: 50 plates



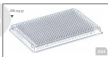
384-Well Plate, Full Skirted, Standard

- Fully skirted for use with automated systems
- Compatible with all leading 384 block transfer options
- Maximum well volume: 40 µL
- Cut Corner: AG1

Ordering Information

Part No.	Color	Barcode	Well Volume	Well Depth	Well Diameter
80-384-001	Clear	Standard	40 µL	10.5 mm	9.5 mm
80-384-002	White	Standard	40 µL	10.5 mm	9.5 mm
80-384-003	Clear	Custom	40 µL	10.5 mm	9.5 mm
80-384-004	White	Custom	40 µL	10.5 mm	9.5 mm

Part size: 50 plates



384-Well Plate, Full Skirted, Extra Volume

- Tall chimney well design
- Increased well volume accommodates sequencing and wash steps
- Maximum well volume: 55 µL
- Cut Corner: AG1

Ordering Information

Part No.	Color	Barcode	Well Volume	Well Depth	Well Diameter
80-384-005	Clear	Standard	55 µL	10.5 mm	9.5 mm
80-384-006	White	Standard	55 µL	10.5 mm	9.5 mm
80-384-007	Clear	Custom	55 µL	10.5 mm	9.5 mm
80-384-008	White	Custom	55 µL	10.5 mm	9.5 mm

Part size: 50 plates

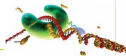
Part size: 50 plates

Discover the original high-fidelity DNA polymerase

Since their introduction, Thermo Scientific™ Phusion™ High-Fidelity DNA Polymerases have established a new standard for high-fidelity PCR. Phusion polymerases generate PCR products with accuracy and speed unrivaled with a single enzyme and have proven first choice for research and forensic PCR applications, including the analysis of first generation synthetic genes.

- Highest fidelity
- Robust, fast and accurate
- Referenced in thousands of publications

• For more information, visit
www.thermo.com/phusion



Ordering Information

Part No.	Color	Barcode	Well Volume	Well Depth	Well Diameter
80-96-001	Clear	Standard	100 µL	10.5 mm	9.5 mm
80-96-002	White	Standard	100 µL	10.5 mm	9.5 mm
80-96-003	Clear	Custom	100 µL	10.5 mm	9.5 mm
80-96-004	White	Custom	100 µL	10.5 mm	9.5 mm

Part size: 50 plates

Part size: 50 plates

Sealing options

We offer a wide range of robust sealing options to suit any application. All our sealing products are designed to provide the ultimate in sample protection while also being easy to use.

Thermo Scientific™ qPCR sealing options are optically clear to deliver maximum and consistent signal transmission, critical for accurate qPCR results.

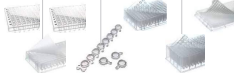
• Successfully tested

• Not recommended

	PCR Cap Strips				Adhesive Seals				Adhesive Seals			Sealing Plate Sealing			
	No Cap Strip	Seal Cap Strip	qPCR Seal Strip	Sealing Plate Cap Strip	PCR No Seal	PCR Plate Seal	Plate/Strip/PCR No Seal	Adhesive qPCR Seal	Optically Clear Seal	Not Permeable Seal	Plate Seal	Sealing Plate Cap and Seal Strip	Sealing Plate Permeable	Sealing Plate Non-permeable	Microfluidic Sealing Cap Strip
Pack Size	48/120 96/240 250/500	48/120 96/240 250/500	48/120 96/240 250/500	12/108 24/216 120/1080	48/120	48/120	48/120	48/120	48/120	48/120	48/120	48/120	48/120	48/120	48/120
	250/500	250/500	120/1080	120/1080	120/1080	120/1080	120/1080	120/1080	120/1080	120/1080	120/1080	120/1080	120/1080	120/1080	120/1080
Applications	Microfluidics	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	qPCR	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Sealing Temperature	105°C to 120°C	105°C to 120°C	105°C to 120°C	105°C to 120°C	105°C to 120°C	105°C to 120°C	105°C to 120°C	105°C to 120°C	105°C to 120°C	105°C to 120°C	105°C to 120°C	105°C to 120°C	105°C to 120°C	105°C to 120°C
Mechanical Properties	Permeable	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Non-permeable	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Thickness	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Sealant	MSDS/MSDS	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	RoHS/REACH	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Biocompatible	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Sealant Evaluation	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Compatibility	Sealant/Seal	48/120	48/120	48/120	48/120	48/120	48/120	48/120	48/120	48/120	48/120	48/120	48/120	48/120	48/120
	Seal/Plate	48/120 96/240 250/500	48/120 96/240 250/500	48/120 96/240 250/500	48/120 96/240 250/500	48/120 96/240 250/500	48/120 96/240 250/500	48/120 96/240 250/500	48/120 96/240 250/500	48/120 96/240 250/500	48/120 96/240 250/500	48/120 96/240 250/500	48/120 96/240 250/500	48/120 96/240 250/500	48/120 96/240 250/500

1 Seal not suitable for use.

2 Sealing plate sealant is not recommended for use on microfluidic devices.



Storage plates

Streamline your molecular biology applications with Thermo Scientific™ storage and assay plates. All plates are manufactured in our cleanroom facility to ensure molecular grade quality. Our wide range of polypropylene plates provides excellent solutions for sample storage and assay set up, allowing dilutions and aliquots to be handled, stored or transported easily. All plates are ANSI-format for compatibility with automated systems. To further assist in storage and tracking, all plates can be supplied with custom barcoding.

	96 Well Plate						96 Well Plate						96 Well Plate						96 Well Plate					
Plate Model	AS-088	AS-089	AS-090	AS-091	AS-092	AS-127	AS-093	AS-094	AS-095	AS-096	AS-097	AS-098	AS-099	AS-100	AS-101	AS-102	AS-103	AS-104	AS-105	AS-106				
Plate Size	96 Wells	96 Wells	96 Wells	96 Wells	96 Wells	96 Wells	96 Wells	96 Wells	96 Wells	96 Wells	96 Wells	96 Wells	96 Wells	96 Wells	96 Wells	96 Wells	96 Wells	96 Wells	96 Wells	96 Wells				
Well Volume (Flat)	600 μ l	230 μ l	300 μ l	520 μ l	1.2 ml	1.2 ml	2.2 ml	2.2 ml	300 μ l	250 μ l	350 μ l	450 μ l	750 μ l	750 μ l	750 μ l	750 μ l	750 μ l	750 μ l	750 μ l	750 μ l				
Well Volume (V-bottom)	-	130 μ l	200 μ l	4.35 ml	1.1 ml	1.1 ml	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Well Volume (U-bottom)	-	-	-	630 μ l	530 μ l	530 μ l	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Well Capacity (Flat)	-	1500 g	1500 g	220 g	220 g	220 g	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Well Capacity (V-bottom)	-	-	-	-	-	-	500 g	500 g	-	-	-	-	-	-	-	-	-	-	-	-				
Well Capacity (U-bottom)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Shape (Well)	Flat	V-bottom	V-bottom	V-bottom	V-bottom	V-bottom	U-bottom	U-bottom	U-bottom	U-bottom	U-bottom	U-bottom	U-bottom	U-bottom	U-bottom	U-bottom	U-bottom	U-bottom	U-bottom	U-bottom				
Compatibility	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Connectivity Type	-	PCRase Bars	AS-129	AS-131	AS-133	AS-135	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Connectivity (Well Type)	Adhesive Seal	Adhesive Seal	Adhesive Seal	Adhesive Seal	Adhesive Seal	Adhesive Seal	Adhesive Seal	Adhesive Seal	Adhesive Seal	Adhesive Seal	Adhesive Seal	Adhesive Seal	Adhesive Seal	Adhesive Seal	Adhesive Seal	Adhesive Seal	Adhesive Seal	Adhesive Seal	Adhesive Seal	Adhesive Seal				
Connectivity (Well Size)	-	AS-089	AS-090	AS-091	AS-092	AS-093	AS-094	AS-095	AS-096	AS-097	AS-098	AS-099	AS-100	AS-101	AS-102	AS-103	AS-104	AS-105	AS-106	AS-107				

• High
 • Polypropylene Resin (ASTM D-3025, Class III B7)
 • Ingressed (100%)
 • Autoclavable (15 Minutes at 121 °C)
 • Gamma Irradiated

Well Shape

Round wells

- Designed for optimal sample recovery
- Each well specifically designed with an independent sealing on to prevent liquid contamination
- Ideally suited for use with the widest range of sealing systems

Square wells

- Angled well corners reduce the capillary action of liquids, preventing cross-contamination between wells
- Square shape maximises well volume within MS3 footprint design

Well Bottom

V-bottom

- Ideally suited for sample in suspension

U-bottom

- Virtually eliminates dead volume in tubes during liquid handling

Conical/pyramidal

- Improved sample recovery and decreased dead volume

Barcoding options

Add reliable tracking to your PCR workflow

Streamline your sample tracking with barcoded PCR plates. All Thermo Scientific™ fully skirted and semi-skirted PCR plates are available with random, off-the-shelf barcoding or custom barcoding for complete flexibility. All of our barcodes deliver reliable reading performance and durability for secure and efficient tracking.

Barcode labels are scratch-resistant and are able to withstand chemical exposures and wide temperature extremes from -196°C to +120°C.

Off-the-shelf barcoded plates

Our off-the-shelf barcoded plates can be ordered immediately and are available for each Fully Skirted or Semi-Skirted PCR plate model. The standard 128 barcodes have been carefully designed and positioned for compatibility with all major barcode readers. Codes are random and each barcode also includes a human-readable format at a back-up to ensure valuable samples can always be identified.



Choose Thermo Scientific barcodes

- Wide temperature tolerance (-196°C to +120°C)
- Proprietary coating for superior scratch-resistance
- Precise alignment placement for reliable scanning



Custom barcoding services

Do you have specific requirements not met by our off-the-shelf Code 128 barcoded plates? Our custom barcode services are flexible enough to meet your unique tracking specifications. These services allow our durable barcodes and apply them in your preferred configuration or format, with any quantity, on any plate. Let us solve your tracking needs with our wide range of options.

Design the perfect barcoding solution to fit your unique needs
Choose Thermo Scientific plates for the ultimate in barcoding flexibility

Plate type

Any fully skirted or semi-skirted plate from the entire range of PCR and storage plates

Barcode format

Code 128, Code 39, Interscan 2 of 5, with flexible human-readable code position

Label size

Available in standard label sizes or customizable according to requirements

Barcode density

Range of dimensions available

Sequence

You determine start to end sequence and alpha-numeric pattern

Positioning

Any side or any side, of the same code or mixed

Barcode format options

	Barcode Type			
	Code 128	Code 39	Code Interscan 2 bar 5	
PCR Plate	7 x 6	random 4832 0000		
	5 x 6	random 4832 0000		
	12 x 6	random 4832 0000		

Minimum order requirements

1000 plates minimum orders. Greater quantities may be possible, but are subject to an order fee. Please inquire.

To order your barcoding solution today, visit

<https://www.thermo.com/codes>



- One place for all your molecular needs
thermoscientific.com/onebio



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