THE PCR® FAMILY

The assurance of highly accurate and contaminant-free procedures

Driven by innovation, research and product development, **Simport** is a world leading laboratory products design and manufacturing company. Since 1975, **Simport** has developed, manufactured and marketed a broad range of innovative disposables to improve research techniques and methods. Our products are distributed worldwide through reputable laboratory and medical products distributors. Some of our superior quality products are also distributed under private label by some of the world's leading laboratory products manufacturers and suppliers.

All **Simport** PCR® products are designed and manufactured to the highest quality standards and to precise calibration and dimensional accuracy. Made under the most rigid manufacturing conditions. The **Simport** PCR® Family was developed to help the researcher, analyst and technician obtain accurate and repeatable results from experimentation, testing and analysis.

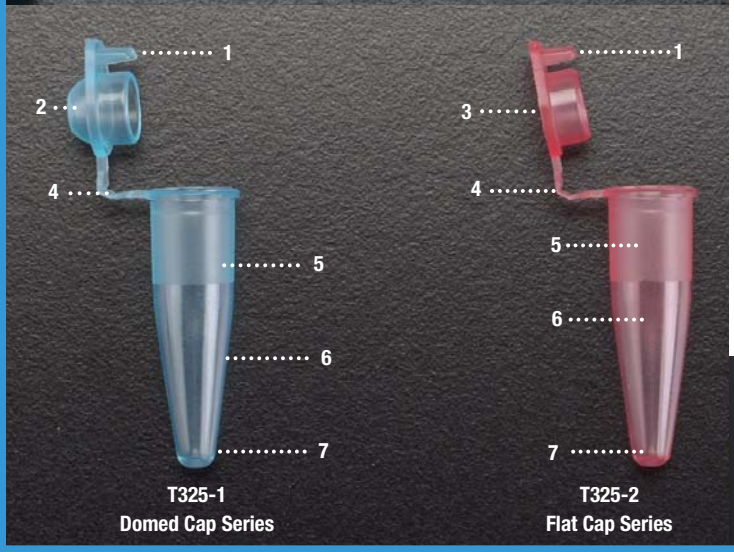
PCR tubes, strips and plates are also available sterile on special request. When placing your order, please check with Customer Service to find out minimum quantities and expected delivery.

The Simport Plus Factor

Manufacturing to the highest quality standards and precision does not alone qualify an item to make it a **Simport** product. Indeed, innovation must be brought in as "The Plus Factor".

Sometimes it's the small things that count.

The PCRack™ will accept all models of 0.2 ml tubes, along with strips of 8 or 12 tubes. Plates of 96 wells can also be accommodated. The PCRack™ can be horizontally attached to each other in order to build-up any configuration you desire.



T325-1 & -2

AMPLITUBE™

PCR REACTION TUBES, 0.2 ml

Made of polypropylene

Designed for oil-free operation, these tubes are made of transparent superior quality grade polypropylene for better viewing of the contents. Their ultrathin wall design will ensure rapid thermal transfer and a significant reduction in cycle and PCR reaction time.

Attached hinged caps are either dome or flat-topped and can be used with heated lids used by thermal cycler manufacturers. They provide positive sealing during thermal cycling and will prevent evaporation while being easily opened and closed with one hand. **The cap has an integral shield preventing contamination with surface of lid**. Frosted writing surface for sample identification.

Choice of colorless and four non-cytotoxic and non-metallic colors. Packaged in tamperproof resealable safety-lock bags. Autoclavable.

Cat. # Domed Cap	Cat. # Flat Cap	Color	Qty/Pk
T325-1N	T325-2N	Natural	1000
T325-1B	T325-2B	Blue	1000
T325-1G	T325-2G	Green	1000
T325-1R	T325-2R	Red	1000
T325-1Y	T325-2Y	Yellow	1000

1. **Integral shield prevents contamination with surface of lid**
2. **Domed cap provides a snap shut positive seal**
3. **Pierceable flat cap**
4. **Attached cap allows opening and closing with one hand**
5. **Frosted writing surface**
6. **Ultrathin wall ensures excellent thermal exchange**
7. **Round bottom makes tube easy to empty**

The cap has an integral shield preventing contamination with surface of lid.

T325-1V & -2V

AMPLITUBE™

PCR REACTION TUBES, 0.2 ml

Made of polypropylene

All products on this page are certified *RNase, DNase and Pyrogen safe.*

Ideal tube design when centrifugation is necessary. These tubes are identical to the T325-1 & -2 Series **but without a contamination shield**. Frosted writing surface for sample identification. See description above for further details. Packaged in tamperproof resealable safety-lock bags.

Cat. # Domed Cap	Cat. # Flat Cap	Color	Qty/Pk
T325-1VN	T325-2VN	Natural	1000
T325-1VB	T325-2VB	Blue	1000
T325-1VG	T325-2VG	Green	1000
T325-1VR	T325-2VR	Red	1000
T325-1VY	T325-2VY	Yellow	1000

T325-12

AMPLITUBE™

PCR REACTION TUBES (without cap)

Made of polypropylene

This thin wall 0.2 ml tube is very useful when processing smaller volumes. It offers optimum contact with thermal cycler blocks. The ultrathin wall will ensure rapid thermal transfer and a significant reduction in cycle and PCR reaction time. Specially designed with a highly polished surface and a round bottom for maximum sample recovery. Sealing can be achieved by using either T321-1 or T321-2 Series Cap Strips. Choice of colorless and four non-cytotoxic and non-metallic colors. Packed in tamperproof resealable bags.

Cat. #	Color	Qty/Pk
T325-12N	Natural	1000
T325-12B	Blue	1000
T325-12G	Green	1000
T325-12R	Red	1000
T325-12Y	Yellow	1000

T325-3 & -4

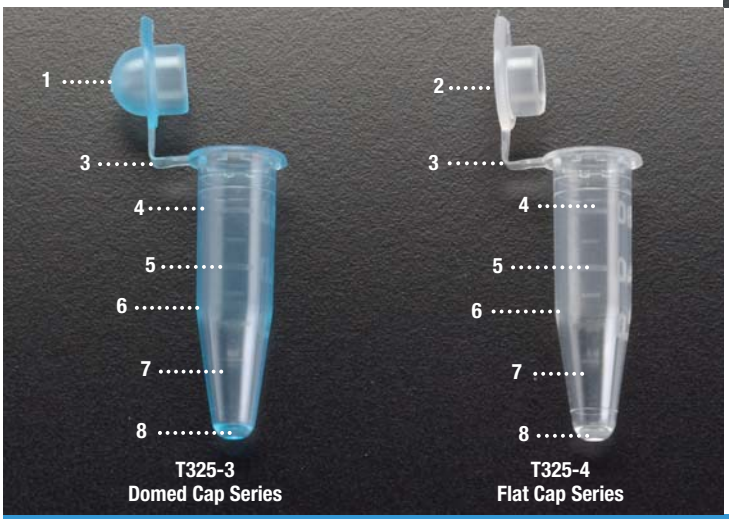
AMPLITUBE™

PCR REACTION TUBES, 0.5 ml

Made of polypropylene

Also designed for oil-free operation, the inside of these tubes has a polished surface, a conical shape and a round bottom for maximum sample recovery. They offer optimum contact with thermal cycler blocks. Their ultrathin wall design will ensure rapid thermal transfer and a significant reduction in cycle and PCR reaction time. Graduated in 0.1 ml increments.

Attached hinged caps are either dome or flat-topped and provide positive sealing during thermal cycling stages. They will prevent evaporation while being easily opened and closed with one hand. Choice of colorless and four non-cytotoxic and non-metallic colors for visual coding of samples. Packed in tamperproof resealable bags. Autoclavable.



T325-3
Domed Cap Series

T325-4
Flat Cap Series

Cat. # Domed Cap	Cat. # Flat Cap	Color	Qty/Pk
T325-3N	T325-4N	Natural	1000
T325-3B	T325-4B	Blue	1000
T325-3G	T325-4G	Green	1000
T325-3R	T325-4R	Red	1000
T325-3Y	T325-4Y	Yellow	1000

1 Domed cap provides a snap shut positive seal
2 Pierceable flat cap
3 Attached cap allows opening and closing with one hand
4 Etched writing surface for sample identification
5 Graduated in 0.1 ml increments
6 Ultrathin wall
7 See-thru polypropylene
8 Round bottom makes tube easy to empty

All products on this page are certified *RNase, DNase and Pyrogen safe.*

Three versatile racks to accommodate your PCR tubes, strips and plates.

See page 102

The Unirack™ is an almost universal support holding up to 60 PCR reaction tubes between 0.2 ml and 0.5 ml capacity.

See page 77

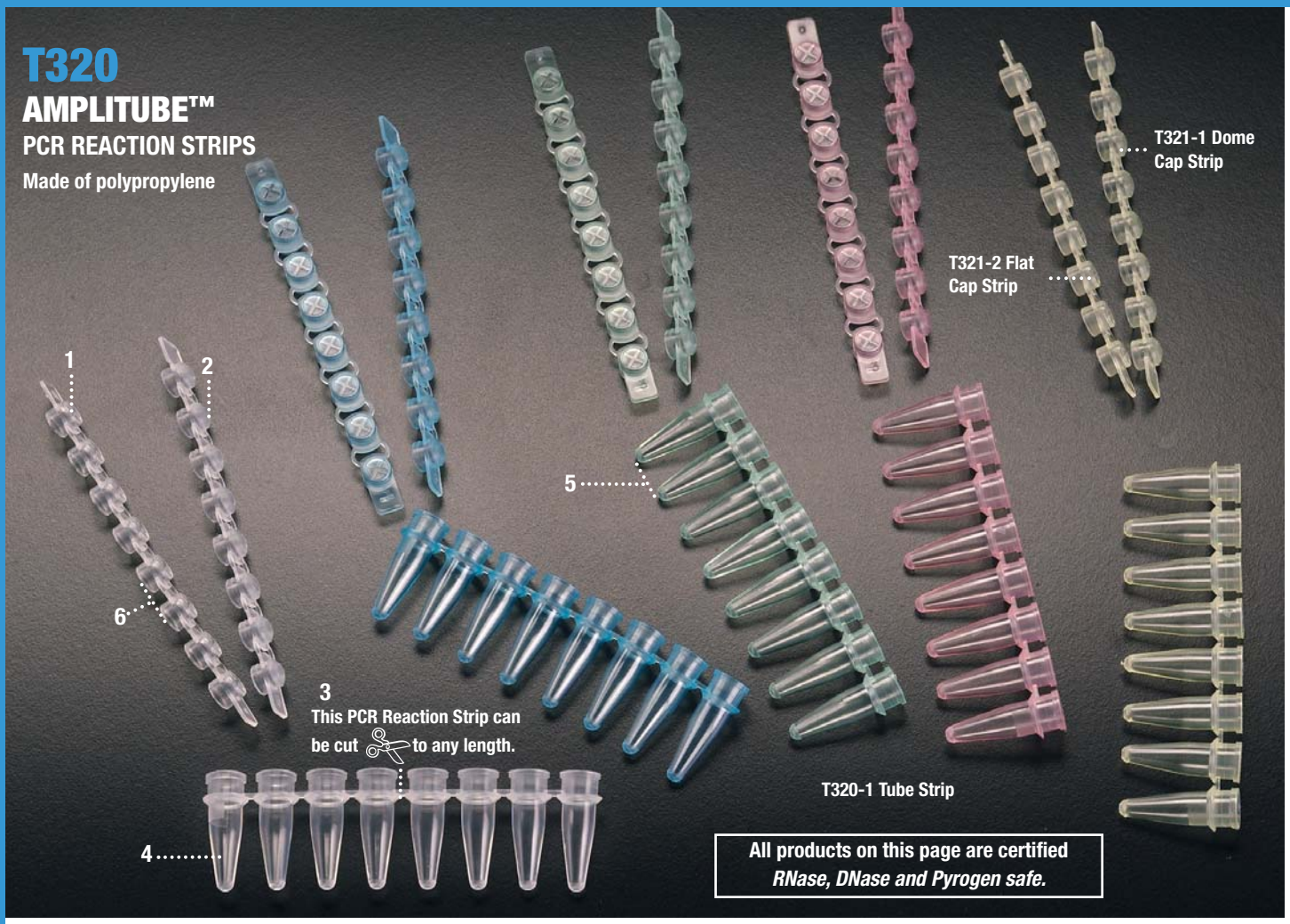
The Combi-Rack™ can hold up to 96 0.2 ml PCR tubes and 8- or 12-tube strips.

See page 77

The PCRack™ will accept all models of 0.2 ml tubes, along with strips of 8 or 12 tubes and 96-well plates.

T320
AMPLITUBE™
PCR REACTION STRIPS

Made of polypropylene



Made of polypropylene

Simport Reaction Strips include 8 or 12 integral 0.2 ml tubes with ultrathin sidewalls and bottoms for more uniform and efficient temperature transfer, therefore reducing PCR reaction time in most 96-well "V" bottomed thermal cyclers such as MJ Research, Perkin Elmer, Hybaid and others.

They are more easily handled than single tubes. They will precisely fit standard well spacing and can also be used with 8- and 12-channel hand-held pipettors. All strips are molded of polypropylene under the most stringent conditions and are offered, colorless and in four different colors.

Non-attached cap strips are available in a dome or flat top design and ensure a perfect closure during the whole thermal cycle. Cap strips are not included and have to be ordered separately (see T321 Series). Autoclavable. Packed in tamperproof resealable bags.

1. **Pierceable flat cap**
2. **Domed cap also provides a snap shut positive seal**
3. **Can be cut and used as individual tubes**
4. **Ultrathin wall**
5. **Standard well spacing**
6. **No carry-over contamination**

TUBE & CAP STRIPS OF 8

Tubes Strip	Domed Cap	Flat Cap	Color	Qty/Pk
T320-1N	T321-1N	T321-2N	Natural	125
T320-1B	T321-1B	T321-2B	Blue	125
T320-1G	T321-1G	T321-2G	Green	125
T320-1R	T321-1R	T321-2R	Red	125
T320-1Y	T321-1Y	T321-2Y	Yellow	125

TUBE & CAP STRIPS OF 12

Tubes Strip	Domed Cap	Color	Qty/Pk
T320-10N	T321-3N	Natural	125
T320-10B	—	Blue	125
T320-10G	—	Green	125
T320-10R	—	Red	125
T320-10Y	—	Yellow	125

T320-2 & -3

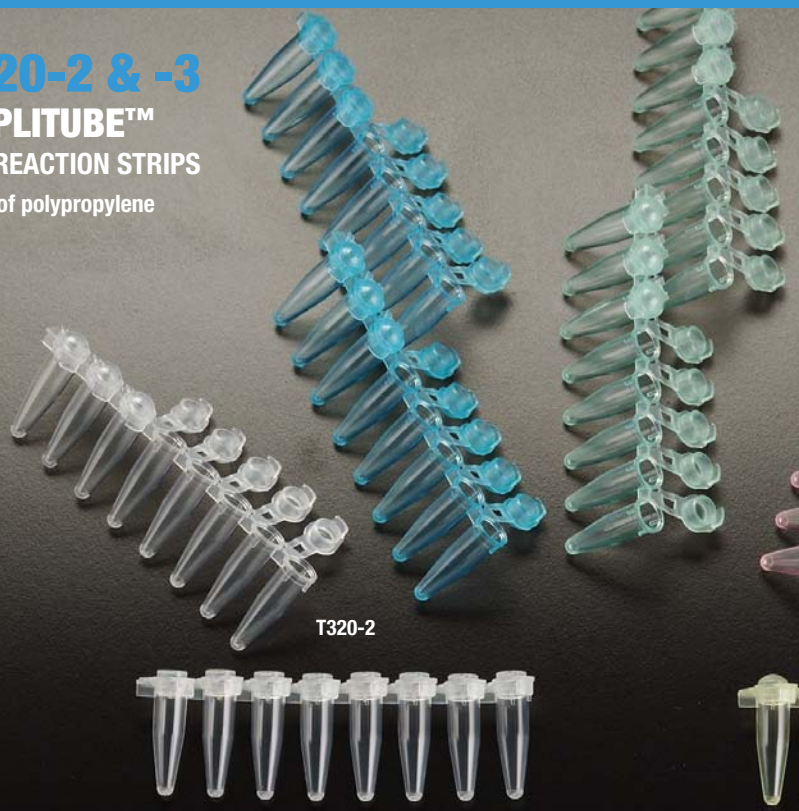
AMPLITUBE™

PCR REACTION STRIPS

Made of polypropylene

The cap has an integral seal preventing contamination with surface of lid.

This PCR reaction strip is available with either flat (needle pierceable) or dome-topped individually attached hinged caps.



This more convenient 0.2 ml tube strip incorporates individually attached caps. No need to carry two separate components in inventory.

The strip includes 8 integral 0.2 ml tubes with ultrathin sidewalls and bottoms for more uniform and efficient temperature transfer.

This PCR reaction strip is available with either flat (needle pierceable) or dome-topped individually attached hinged caps. While easily opened and closed with one hand, their positive sealing will fully protect the contents from evaporation during the whole thermal cycle. The cap has an integral seal preventing contamination with surface of lid.

While more easily handled than single tubes, the strip will precisely fit standard well spacing and can also be used with 8-channel hand-held pipettors. Manufactured under the most stringent conditions to attain the highest quality standards in the industry. Choice of colorless and four non-cytotoxic and non-metallic colors. Autoclavable. Packed in tamperproof resealable bags.

Cat. #	Type of cap	Color	Qty/Pk
T320-2N	Flat	Natural	125
T320-2B	Flat	Blue	125
T320-2G	Flat	Green	125
T320-2R	Flat	Red	125
T320-2Y	Flat	Yellow	125

Cat. #	Type of cap	Color	Qty/Pk
T320-3N	Domed	Natural	125
T320-3B	Domed	Blue	125
T320-3G	Domed	Green	125
T320-3R	Domed	Red	125
T320-3Y	Domed	Yellow	125

T322

AMPLITUBE™

THIN WALL PCR REACTION STRIPS (Cap Strip attached)

Made of polypropylene

Designed for oil-free operation, these reaction strips are identical to T320 Series but include already attached 8-cap strips molded with a living hinge to facilitate opening and closing. They are manufactured under strict quality control supervision to ensure reproducible results, using a special almost transparent polypropylene.

Individual tube sealing ensures that samples are well protected from any carry-over contamination. Cap design offers a snap shut seal to avoid evaporation during thermal cycling stages. Choice of colorless and four non-cytotoxic and non-metallic colors for visual coding of samples. Autoclavable. Packed in tamperproof resealable bags.

Cat. #	Color	Qty/Pk
T322-1N	Natural	125
T322-1B	Blue	125
T322-1G	Green	125
T322-1R	Red	125
T322-1Y	Yellow	125

All products on this page are certified *RNase, DNase and Pyrogen safe.*

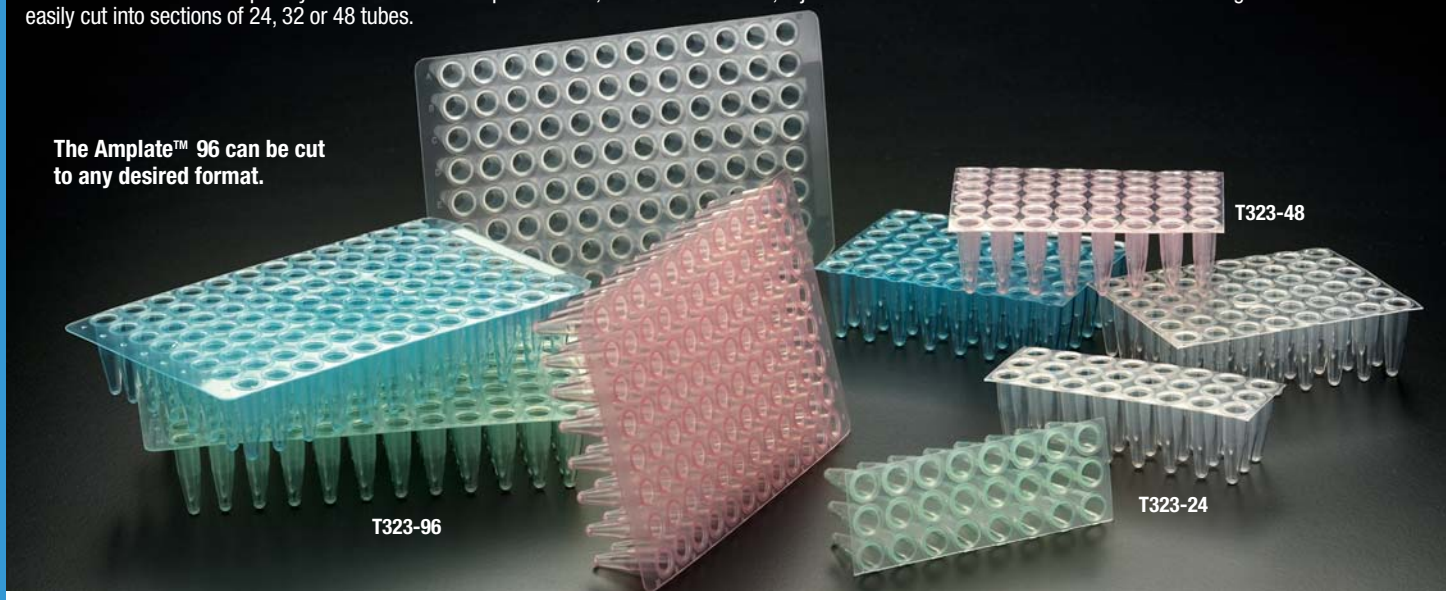
T323

AMPLATE™ THIN WALL PCR PLATES

Made of polypropylene

These 96-well PCR plates are thin-walled and designed for rapid thermal transfer. Each well has a capacity of 0.2 ml. They are precision-molded to ensure well-to-well and plate-to-plate uniformity. The insides of the tubes are smooth and have an inert surface on which enzymes and nucleic acids do not bind.

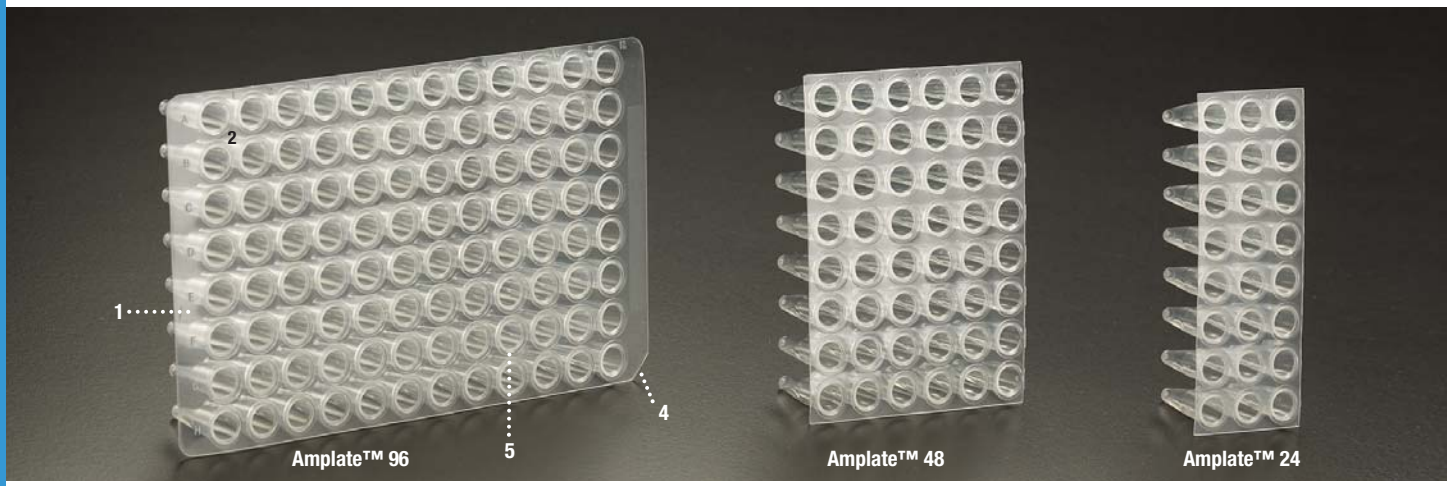
All sealing methods can be used for oil-free operation: SecureSeal™ Thermal sealing film and foil (T329 Series), and Amplate™ Mat (T329-10). Suitable to be used with all 96-well shaped cyclers such as Ericomp Twinblock, Perkin-Elmer 9600, Mj Research 100/200 96V etc... Their flexible design allows them to be easily cut into sections of 24, 32 or 48 tubes.



The plates will accommodate differences in expansion coefficients between the metal thermal cycler block and polypropylene tubes. For more convenience, pre-cut plates are also available in the following formats: 48 tubes (6 x 8) and 24 tubes (3 x 8).

On the 96-well plate, an alphanumeric grid helps sample identification. To facilitate orientation, the bottom right corner of the plate is cut away. The AMPLATE™ is easy to seal since no cylindrical walls extend above the plate. More economical than using single tubes, it is available colorless and in four different colors. Autoclavable. Packed in tamperproof resealable bags of 10 plates.

1 **Alphanumeric grid for better identification**
2 **Flexible plate for better fitting of tubes in thermal block**
3 **Can be cut to desired format**
4 **Corner is cut away to facilitate orientation of plate**
5 **Inside of tube is smooth and has an inert surface**



Amplate™ 96 Cat. #	Color	Qty/Bag	Qty/Cs	Amplate™ 48 Cat. #	Amplate™ 24 Cat. #	Color	Qty/Bag	Qty/Cs
T323-96N	Natural	10	100	T323-48N	T323-24N	Natural	10	50
T323-96B	Blue	10	100	T323-48B	T323-24B	Blue	10	50
T323-96G	Green	10	100	T323-48G	T323-24G	Green	10	50
T323-96R	Pink	10	100	T323-48R	T323-24R	Pink	10	50
T323-96Y	Yellow	10	100	T323-48Y	T323-24Y	Yellow	10	50

T323-96LP

LOW PROFILE AMPLATE™ 96

THIN WALL PCR PLATES

Made of polypropylene

These low profile 96-well PCR plates are similar to the regular **Simport** AMPLATE™ Series detailed on the previous page. However, each of the 96 tubes has a smaller volume (only 100 µl) and thereby reduce the dead space between sample and cover.

They are thin-walled and designed for rapid thermal transfer. precision-molded to ensure well-to-well and plate-to-plate uniformity. All sealing methods can be used for oil-free operation: domed and flat cap strips (T321 Series), SecureSeal™ Thermal sealing film and foil (T329 Series), and Amplate™ Mat (T329-10). Suitable to be used with all 96-well shaped cyclers such as Ericomp Twinblock, Perkin-Elmer 9600, Mj Research 100/200 96V etc...

The flexible design accommodates differences in expansion coefficients between the metal thermal cycler block and polypropylene tubes.

An alphanumeric grid helps sample identification. To facilitate orientation, two left corners of the plate are cut away. The AMPLATE™ is easy to seal since no cylindrical walls extend above the plate. More economical than using single tubes, it is available colorless and in four different colors. Autoclavable.

Packed in tamperproof resealable bags of 10 plates.

CAN BE USED WITH ALL LEADING THERMAL CYCLERS

The Amplate™ 96LP can be cut to any desired format.

1 Alphanumeric grid for better identification

2 Flat surface for better sealing

3 Small volume reducing dead space between sample and cover

Cat. #	Color	Qty/Bag	Qty/Cs
T323-96LPN	Natural	10	100
T323-96LPB	Blue	10	100
T323-96LPG	Green	10	100
T323-96LPR	Pink	10	100
T323-96LPY	Yellow	10	100

T323-96SK

SKIRTED AMPLATE™ 96

THIN WALL PCR PLATES

Made of polypropylene

Similar to the T323 Series above, these skirted 96-well PCR plates are thin-walled and designed for rapid thermal transfer. The skirt around the plate provides a bar coding and labeling area, unavailable in other types of plates. They are precision-molded to ensure well-to-well and plate-to-plate uniformity. Quite superior to polycarbonate plates, they are impermeable to water vapor.

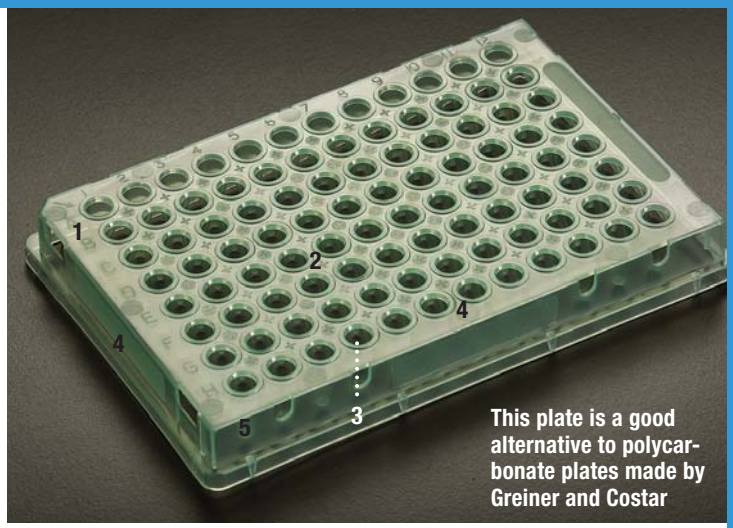
All sealing methods can be used for oil-free operation: domed and flat cap strips (T321 Series), SecureSeal™ Thermal sealing film and foil (T329), and Amplate™ Mat (T329-10 Series). Suitable to be used with all 96-well shaped cyclers such as Ericomp Twinblock, Perkin-Elmer 9600, Mj Research 100/200 96V etc...

An alphanumeric grid helps sample identification. To facilitate orientation, the top left corner of the plate is cut away. The AMPLATE™ is easy to seal since no cylindrical walls extend above the plate. More economical than using single tubes, it is available colorless an in four different colors.

Finally, the **Simport** AMPLATE™ can be handled by robotic handling equipment and is ideal with automated pipetting systems. Autoclavable.

Packed in tamperproof resealable bags of 10 plates.

All products on this page are certified *RNase, DNase and Pyrogen safe.*



This plate is a good alternative to polycarbonate plates made by Greiner and Costar

1 Alphanumeric grid for better identification

2 Flat surface for better sealing

3 Can be handled by robotic handling equipment

4 Area for bar coding, labeling or writing on each side and top

5 Each well has a volume of 100 µl

Cat. #	Color	Qty/Bag	Qty/Cs
T323-96SKN	Natural	10	100
T323-96SKB	Blue	10	100
T323-96SKG	Green	10	100
T323-96SKR	Pink	10	100
T323-96SKY	Yellow	10	100

AMPLATE™

RAISED RIM THIN WALL PCR PLATES

Made of polypropylene

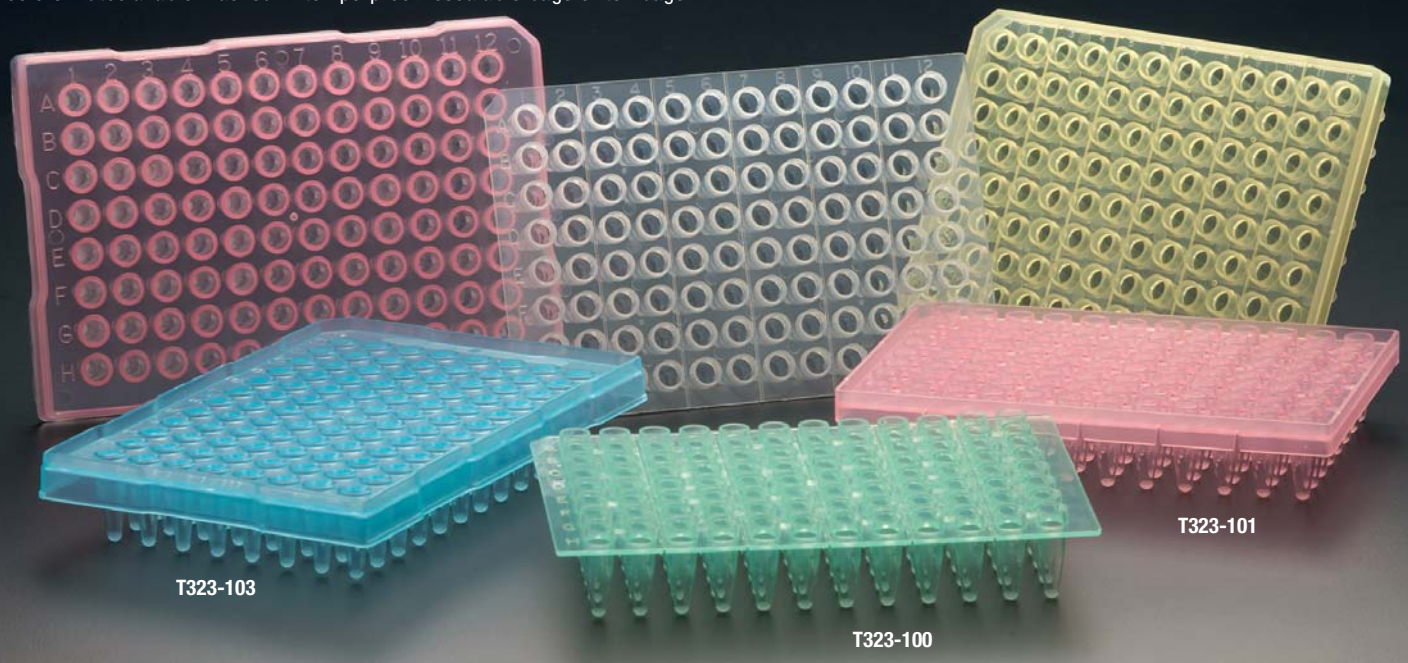
Amplate™ Raised Rim thin wall PCR plates are the latest addition to the wide range of Simport PCR products. Offering just the right rigidity for automation, these three 96-well plates, made in a standard 8 x 12 configuration, are perfectly suited for high performance thermal cycling. Each well makes intimate contact with the heating block while quick and consistent heat transfer is ensured by a uniform wall thickness. Using a special polypropylene, samples are easily recovered thanks to a non-wettable surface. Plates on all models can be cut in strips of 16 wells (2 x 8).

Well capacity: T323-100 and -101 Series: 250 µl, T323-103 Series: 200 µL

These plates offer the right alternative to existing Robbins, Corning and Perkin Elmer models. T323-100 and –101 Series have a 3 mm raised rim around each tube well.

The latter is supplied with a wide skirt extending over and under the plate on which a bar code can be affixed to facilitate identification. Series T323-103 will also offer the same skirt but the rim above each tube well is only 1 mm high.

All sealing methods can be used for oil-free operation: domed and flat cap strips (T321 Series); SecureSeal™ Thermal Sealing Film (T329-1); SecureSeal™ Aluminium Sealing Foil (T329-5) and Amplate™ Mat (T329-10). However Series T323-103 will accommodate micromats only. To facilitate orientation, one corner of the plate is cut away. An alphanumeric grid helps sample identification. Available colorless and in four pastel colors. Autoclavable. Packed in temperproof resealable bags of ten bags.



Our Latest Addition to the Wide Range of Simport PCR® Products

Cat. #	Color	Qty/Bag	Qty/Cs
T323-100N	Natural	10	100
T323-100B	Blue	10	100
T323-100G	Green	10	100
T323-100R	Pink	10	100
T323-100Y	Yellow	10	100

Cat. #	Color	Qty/Bag	Qty/Cs
T323-101N	Natural	10	100
T323-101B	Blue	10	100
T323-101G	Green	10	100
T323-101R	Pink	10	100
T323-101Y	Yellow	10	100

Cat. #	Color	Qty/Bag	Qty/Cs
T323-103N	Natural	10	100
T323-103B	Blue	10	100
T323-103G	Green	10	100
T323-103R	Pink	10	100
T323-103Y	Yellow	10	100

T323-384SK

AMPLATE™ 384 THIN WALL PCR PLATES

Made of polypropylene

This plate has been developed for high volume laboratory work. It is precision-molded to ensure well-to-well and plate-to-plate uniformity.

The design of the AMPLATE™ 384 is such that each well having a 40 µl capacity can be used with reaction volumes from 2 to 30 µl. All wells on the plate are thin-walled to make sure that an efficient and fast heat transfer is occurring.

Although it has 384 wells, it can be filled using automated fluid handling systems or standard multichannel pipettors.

In order to offer more surface contact between the plate and the sealing medium, such as thermal foil and adhesive sealing films, there are no cylindrical walls extending above the plate.

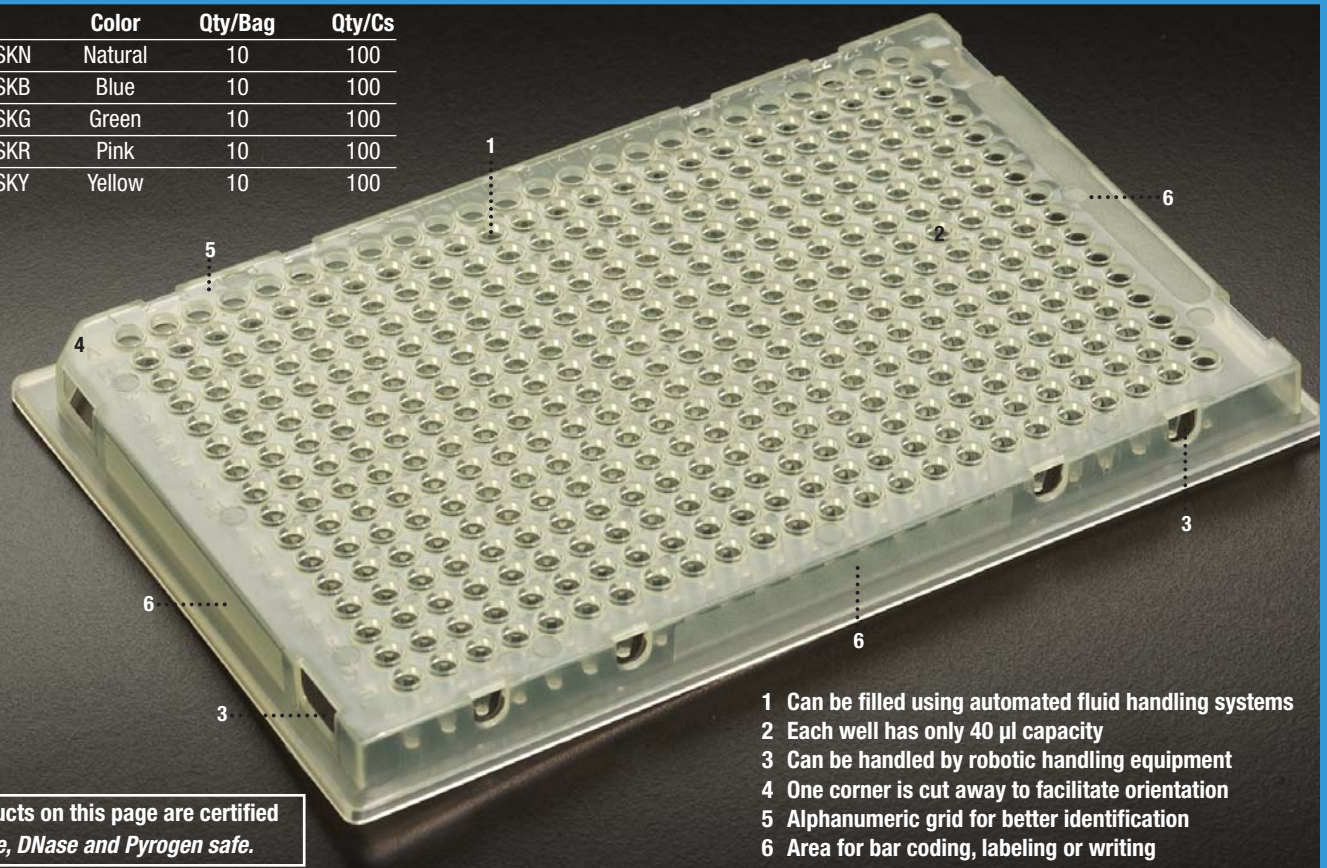
The AMPLATE™ 384 is skirted to allow bar coding on sides for identification and also to make it compatible with automated fluid handling systems. Holes on sides allow for preciseand accurate plate positioning and removal.

An alphanumeric grid helps in locating the sample. Finally, one corner of the plate is cut away to facilitate its orientation.

The AMPLATE™ 384 is definitely more economical than using single tubes, strips, and even 96-well plates. It is available colorless and in four popular colors. Autoclavable.

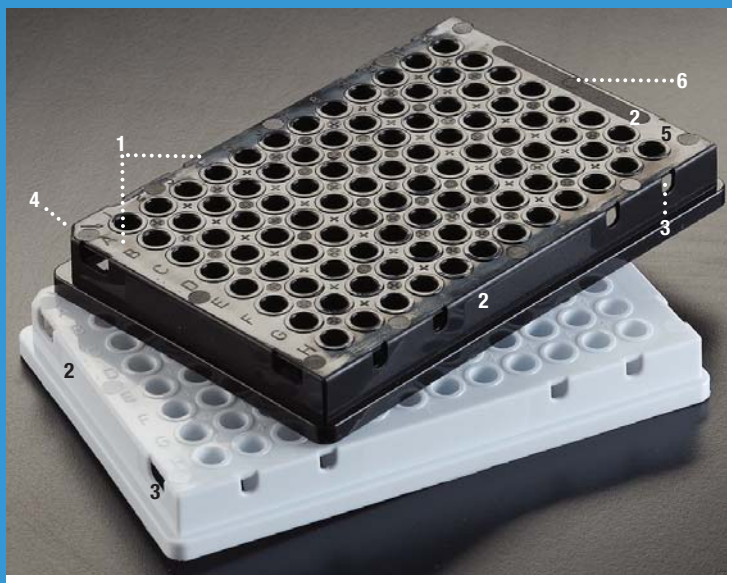
Packed in tamperproof resealable bags of 10 plates.

Cat. #	Color	Qty/Bag	Qty/Cs
T323-384SKN	Natural	10	100
T323-384SKB	Blue	10	100
T323-384SKG	Green	10	100
T323-384SKR	Pink	10	100
T323-384SKY	Yellow	10	100



1 Can be filled using automated fluid handling systems
2 Each well has only 40 µl capacity
3 Can be handled by robotic handling equipment
4 One corner is cut away to facilitate orientation
5 Alphanumeric grid for better identification
6 Area for bar coding, labeling or writing

All products on this page are certified *RNase, DNase and Pyrogen safe.*



1 Alphanumeric grid for better identification

2 Area for bar coding, labeling or writing

3 Can be handled by robotic handling equipment

4 One corner is cut away to facilitate orientation

5 Flat surface for better sealing

6 Opaque to ensure low level of background fluorescence

T324-96SK

OPAQUE SKIRTED AMPLATE™ 96

THIN WALL PCR PLATES

Made of polypropylene

These opaque 96-well PCR plates are for chemiluminescent and fluorescent procedures. Each well has a capacity of 100 µl. Thin-walled and designed for rapid thermal transfer. They are precision-molded to ensure well-to-well and plate-to-plate uniformity.

All sealing methods can be used for oil-free operation: domed and flat cap strips (T321 Series), SecureSeal™ Thermal and foil (T329 Series), and Amplate™ Mat (T329-10). Suitable to be used with all 96-well shaped cyclers such as Ericomp Twinblock, Perkin-Elmer 9600, Mj Research 100/200 96V etc...

An alphanumeric grid helps in sample identification. To facilitate orientation, the top left corner of the plate is cut away. The AMPLATE™ is easy to seal since no cylindrical walls extend above the plate. Finally, the **Simport** AMPLATE™ can be handled by robotic handling equipment and is ideal with automated pipetting systems. Autoclavable.

Packed in tamperproof resealable bags of 10 plates.

Cat. #	Color	Qty/Bag	Qty/Cs
T324-96SKK	Black	10	100
T324-96SKW	White	10	100

1 Can be filled using automated fluid handling systems

2 Each well has only 40 µl capacity

3 Holes on side allow for precise and accurate plate positioning and removal

4 One corner is cut away to facilitate orientation

5 Alphanumeric grid for better identification

6 Can be handled by robotic handling equipment

7 Opaque to ensure low level of background fluorescence

8 Area for bar coding, labeling or writing

T324-384SK

OPAQUE SKIRTED AMPLATE™ 384

THIN WALL PCR PLATES

Made of polypropylene

For chemiluminescent and fluorescent procedures, the AMPLATE™ -384 is available in opaque white or black. The white plate will increase signal output in both types of assays.

It has been developed for high volume laboratory work. It is precision-molded to ensure well-to-well and plate-to-plate uniformity.

The design of the AMPLATE™ -384 is such that each well having a 40 µl capacity can be used with reaction volumes from 2 to 30 µl capacity. Only virgin polypropylene is used to manufacture this plate. Although it has 384 wells, it can be filled using automated fluid handling systems or standard multichannel pipettors.

All wells on the plate are thin-walled to make sure that an efficient and fast heat transfer is occurring.

In order to offer more surface contact between the plate and the sealing medium, such as thermal foil and adhesive sealing films, there are no cylindrical walls extending above the plate.

The AMPLATE™ -384 is skirted to allow bar coding on sides for identification and also to make it compatible with automated fluid handling systems. Holes on sides allow for precise and accurate plate positioning and removal.

An alphanumeric grid helps in locating the sample. Finally, one corner of the plate is cut away to facilitate its orientation. Autoclavable.

Packed in tamperproof resealable bags of 10 plates.

Cat. #	Color	Qty/Bag	Qty/Cs
T324-384SKK	Black	10	100
T324-384SKW	White	10	100

All products on this page are certified *RNase, DNase and Pyrogen safe.*

T327
COMBI-BOX™

The **Simport** Combi-Box™ can be used not only as a storage rack but also as a workstation. The white base will accept all 96- and 384-well plates and an easy to remove transparent cover allows easy viewing of the content. Being only 40mm high, the stackable Combi-Box™ saves space on the lab bench and on refrigerator or freezer shelves.

For single tubes as well as strips, use the Combi-Rack™ (T327-1) which can hold up to 96 tubes or 12 strips of 8.

Cat. #	Color	Qty/Cs
T327	White base	5

1 Transparent cover for easy viewing of contents
2 Boxes are stackable for space-saving
3 Plate can easily be inserted and removed
4 Alphanumeric identification of each position
5 Can accept single tubes, strips and plates up to 96 wells
6 Stackable

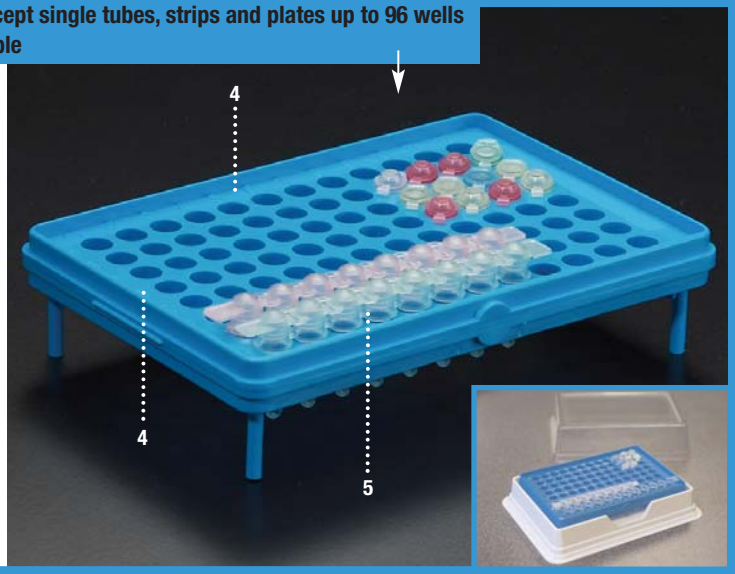
T327-1
COMBI-RACK™

Made of polypropylene

The **Simport** Combi-Rack™ is an innovative support that can hold up to 96 PCR tubes or 12 strips of 8 tubes with caps. Each hole is identified with an alphanumeric numbering system for identifying tubes. The grid stands on 4 legs and can be placed on a lab counter or in a refrigerator or freezer shelf. Made of polypropylene, it can easily withstand temperatures from -80 °C to +121 °C. It is also ideal for carrying and storing, freezing and transporting reagents and specimens.

For storage, simply place the Combi-Rack™ in the T327 Combi-Box™ and place cover.

Cat. #	Color	Qty/Cs
T327-1	Blue	5



T328-96
PCRack™

Made of polypropylene

This convenient space saving rack was designed especially for storing and working with PCR samples. The PCRack™ will accept all models of 0.2 ml tubes, along with strips of 8 or 12 tubes. 96-well PCR plates can also be accommodated.

The PCRack™ consists of a base and a cover. Both are made of extra strong polypropylene to resist a wide range of chemicals at temperatures from -90 °C to 121 °C. Samples are easily identified with the PCRack™ alphanumeric configuration, indexed from A to H vertically and 1 to 12 horizontally. The transparent cover also has easy to read numbers and letters for secure identification of contents.

The PCRack™ can be horizontally attached to each other in order to build-up any configuration you desire. With the cover on, they are easily stackable one on top of another. Thanks to these special features, efficiency is highly improved allowing you to carry a multitude of tubes and/or strips at the same time. Autoclavable.

Available in 6 very attractive colors.

Cat. #	Color	Qty/Cs	Cat. #	Color	Qty/Cs
T328-96B	Blue	20	T328-96R	Red	20
T328-96G	Green	20	T328-96Y	Yellow	20
T328-96O	Orange	20	T328-96AS	Assorted*	20
T328-96P	Pink	20			

*Blue, green, orange, pink, yellow.

SecureSeal™ THERMAL ADHESIVE FILMS AND FOIL

Adhesive films and foils are now increasing in popularity for covering a wide range of plates in bioanalytical, genomic and pharmaceutical research.

Simport, with almost 30 years of experience creating innovative laboratory plasticware and accessories, is offering a carefully selected range of sealing films and foil with the following features:

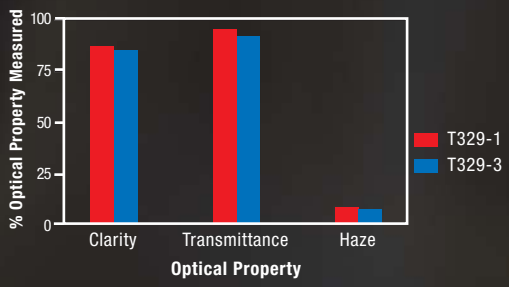
- Low contamination of well contents by the tape adhesive
- Prevention of evaporation from the individual wells
- Clean tape removal for access to the well contents
- Good optical properties for monitoring well contents through the film
- Temperature resistance over wide ranges to include compound storage and PCR

The improved **Simport** SecureSeal™ Films and Foil are higher quality products manufactured through unequalled expertise and quality control.

The Simport SecureSeal™ Thermal Adhesive Films prevent vapor loss and are thermostable and functional from -70 °C to +95 °C.

Properties of Simport SecureSeal™ Sealing Films and Foil

Optical Properties



PCR Compatibility

- Solvent loss after typical cycle < 5% with no dry wells.
  - The following cycle repeated 35 times: 94 °C for 1 min; 55 °C for 1 min; 72 °C for 45 sec.
- Very low autofluorescence for T329-1 polyolefin tape.
- Adhesives do not interfere with cycle reactions.

Solvent Extractables

T329-1 Polyolefin / T329-3 Polyester / T329-5 Aluminum

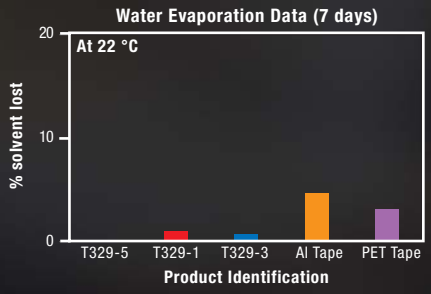
One hour direct contact between adhesive and solvent followed by overnight incubation at room temperature.

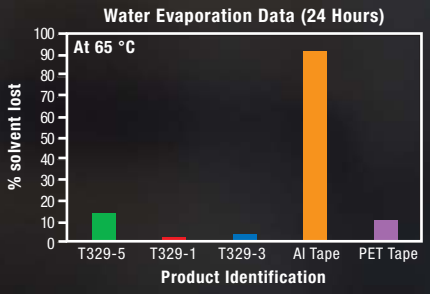
Solvents: DMSO and ethanol (80) / water (20).

Blanks, controls, and extracts were analyzed by GC/MS.

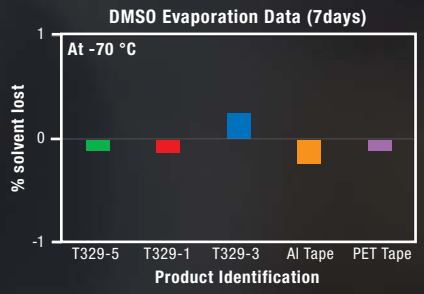
Results:
DMSO: None detected above background.
Ethanol / water: Hydrocarbon acrylate esters 5 µg /mL.
Antioxidant 630 µg /mL.

Prevention of Water Evaporation

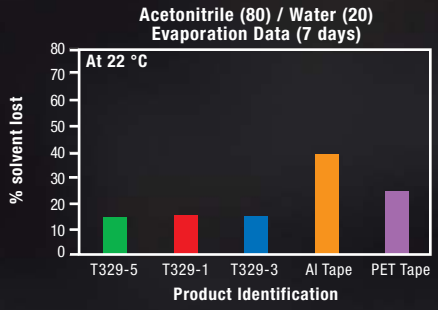


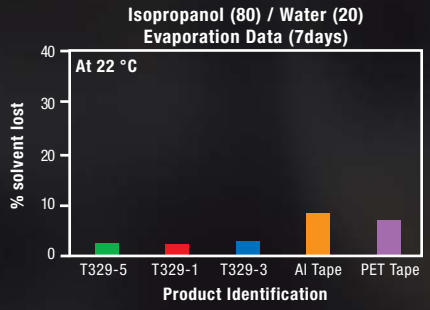


Analysis of DMSO Mass Change

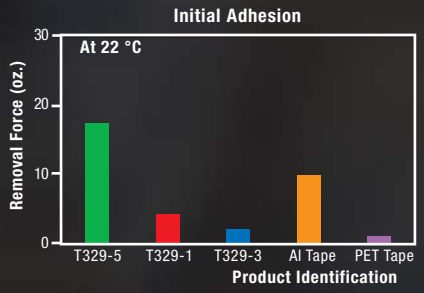


Prevention of Aqueous / Organic Solvent Evaporation





Adhesion to Polypropylene Plates



T329-1 & -2

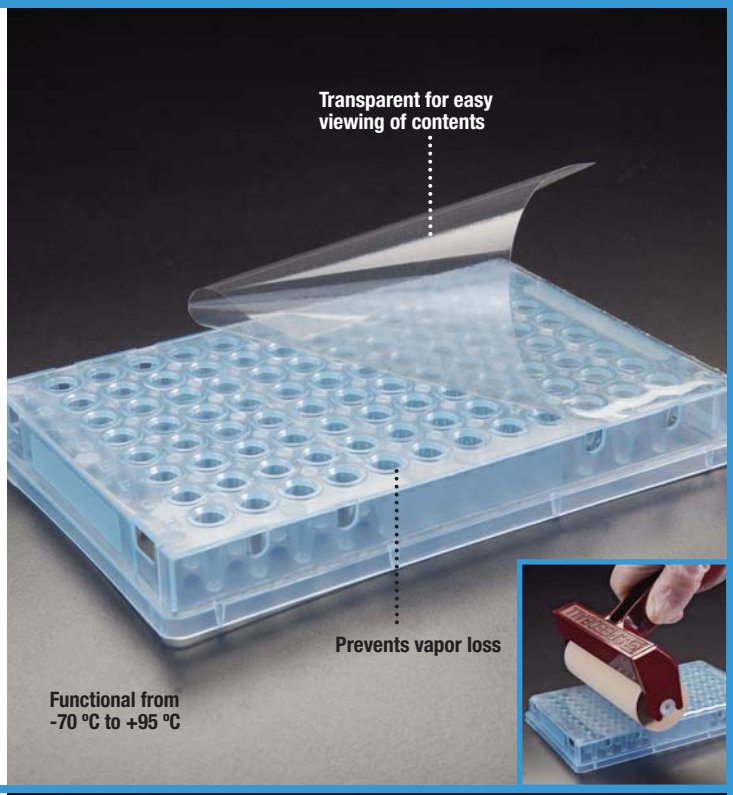
SecureSeal™ THERMAL ADHESIVE SEALING FILM for PCR application

This transparent sealing tape consists of a 2.0 mil polyolefin film coated on one side with a pressure sensitive acrylate adhesive which does not interfere with cycle reactions. It is ideal for reducing well-to-well contamination and/or spill over in sensitive PCR applications where the minimization of evaporation and vapor loss is critical.

SecureSeal™ Thermal Film was developed with the assistance of a major cycler manufacturer for PCR applications. Not only does it offer low-autofluorescence but it will prevent vapor loss and is thermostable and functional from -70 °C to +95 °C. Manufactured RNAse, DNAse and DNA-free. DMSO resistant.

Note: Performance may depend upon the specific collection/sample vessel used as well as the specific conditions subjected to.

Cat. #	Color	Sterile	Qty/Pk	Qty/Cs
T329-1	Transparent	No	100	1000
T329-2	Transparent	Yes	100	1000



T329-5

SecureSeal™ ALUMINUM SEALING FOIL

This type of material is ideal for manual sealing during PCR work and also for high throughput applications. Adhesive backing makes it easy to apply. Will resist temperatures from -86 °C to +95 °C. It is recommended to use the Amplate™ Roller (T329-9) to ensure a perfect bond, eliminating the dangers of evaporation. Pierceable with a pipet tip for easy access to sample. DMSO resistant.

Cat. #	Description	Qty/Pk
T329-5	Peeling foil	100 sheets

T329-9

AMPLATE™ ROLLER

For ensuring a perfect seal when using either SecureSeal™ Thermal sealing film or foil on PCR plates. Roller made of medium hard rubber. Heavy-duty handle with comfort grip reducing fatigue. Will last a long time.

Cat. #	Size	Qty/Pk
T329-9	10.16 cm (4 in.)	1

T329-10

AMPLATE™ MAT

This flexible sealing cover is used on 96-well plates along with clip down and screw top thermal cyclers and has been proven to be a secure and effective way of sealing. Since it is reusable, it is a nice way to make this step of the procedure cost effective. Dimples on one side of the mat ensure it is well placed over the tubes. Autoclavable.

Cat. #	Color	Qty/Pk
T329-10	Blue	5

THERMAL CYCLER GUIDE

Manufacturer	Thermal Cycler	T325 Series (Pages 68-69)				T320 Series (Pages 70-71)	T322 Series (Page 71)	T323 Series (Pages 72-76)								
		-1	-2	-3	-4	T320	T322	-24	-48	-96	-96LP	-96SK	-100	-101	-102	-384SK
Bio-Rad	Gene Cycler	•	•					•								
	iCycler	•	•	•	•	•	•	•	•	•	•		•	•		•
Biometra	T Personnal	•	•	•	•				•							
	T1 Thermocycler	•	•			•	•	•	•	•	•	•	•	•		•
	T3 Thermocycler	•	•	•	•	•	•	•	•							
	Uno	•	•			•	•	•	•	•			•	•		
	Uno II	•	•			•	•	•	•	•	•		•	•		•
	Gradiant	•	•	•	•	•	•			•	•	•	•	•		
Corbett	PC•960	•	•	•	•	•	•	•	•	•	•	•	•	•		
Eppendorf	Mastercycler	•	•	•	•											
	Mastercycler Personnal	•	•	•	•	•	•	•	•	•	•	•				
	Mastercycler Gradient	•	•	•	•	•	•	•	•	•	•	•				
	Mastercycler 384															•
Ericom	DeltaCycler I	•	•	•	•	•	•	•	•	•	•		•	•		
	DeltaCycler II	•	•	•	•	•	•	•	•	•	•		•	•		
	PowerBlock I	•	•	•	•	•	•									
	Single Block	•	•	•	•	•	•	•	•	•	•		•	•		
	Twin Block	•	•	•	•	•	•	•	•	•	•		•	•		
Hybaid	Omnigene	•	•			•	•	•	•	•	•	•	•	•		
	OMN•E	•	•	•	•	•	•	•	•	•	•	•	•	•		
	PCR Express	•	•	•	•	•	•	•	•	•	•	•	•	•		•
	Touchdown	•	•	•	•	•	•	•	•	•	•	•	•	•		
Idaho Tech.	Indy	•	•	•	•											
Lab-Line	210			•	•											
	212	•	•			•	•	•	•	•	•					
	214	•	•	•	•	•	•	•	•	•	•		•			
	225			•	•											
	226	•	•			•	•	•	•	•	•		•			
	227	•	•	•	•	•	•	•	•							
MJ Research	PTC•100	•	•	•	•	•	•	•	•	•	•	•	•	•		
	PTC•150	•	•	•	•											
	PTC•200	•	•	•	•	•	•	•	•	•	•	•	•	•		•
	PTC•225	•	•	•	•	•	•	•	•	•	•	•	•	•		•
MWG	Primus 25	•	•	•	•											
	Primus 96	•	•	•	•	•	•	•	•	•	•		•	•		
	Primus 384															•
Oncor	Crocodile III	•	•	•	•	•	•	•	•	•	•		•			
Operon	OPR•PCR96	•	•			•	•	•	•	•	•	•	•	•		
Perkin Elmer	480			•	•											
	2400	•	•			•	•	•								
	2700	•	•	•	•	•	•	•	•	•			•	•	•	
	9600	•	•			•	•	•	•	•	•		•	•	•	
	9700	•	•	•	•	•	•	•	•	•	•		•	•	•	•
	Dual 384															•
Stratagene	RoboCycler 40			•	•											
	RoboCycler 96	•	•			•	•	•	•	•	•	•		•		
Takara	TP240	•	•					•								
	TP3000	•	•			•	•	•	•	•	•	•	•	•		
Techne	Techgene	•	•	•	•											
	Touchgene	•	•	•	•	•	•	•	•	•	•	•	•	•		
	Cyclogene	•	•	•	•	•	•	•	•	•	•	•	•	•		
	Genius	•	•	•	•	•	•	•	•	•	•	•	•	•		•
	Genius Quad	•	•	•	•	•	•	•	•	•	•	•	•	•		•
Thermolyne	Amplitron II	•	•	•	•	•	•	•	•	•			•	•		