

# High-Performance Sealing Films and Foils for Microplates

Mt. Whitney  
14,498 ft



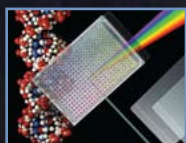
for Cell and Tissue Culture  
*page 7*



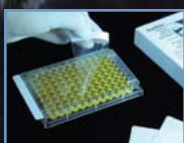
for Fluorescence and Luminescence  
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for Processing and Automation  
*page 6*



for PCR, qPCR, Storage, and Crystallization Studies  
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for ELISA, Incubation, and Storage  
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## Microplate Sealing Films from Excel Scientific

Excel Scientific, Inc., The Plate-Sealing and Reagent-Handling Experts<sup>SM</sup>, are manufacturers of a variety of adhesive sealing films for evaporation prevention and sample protection during processing, storage, and shipment in 96-well, 384-well, and 1536-well microplates and larger-well tissue culture plates. A responsive company with a commitment to superior performance, Excel's approach to product design is application-based. The materials, properties, adhesive composition and manufacturing of each Excel film are tailored to optimize performance in a specific laboratory microplate application.

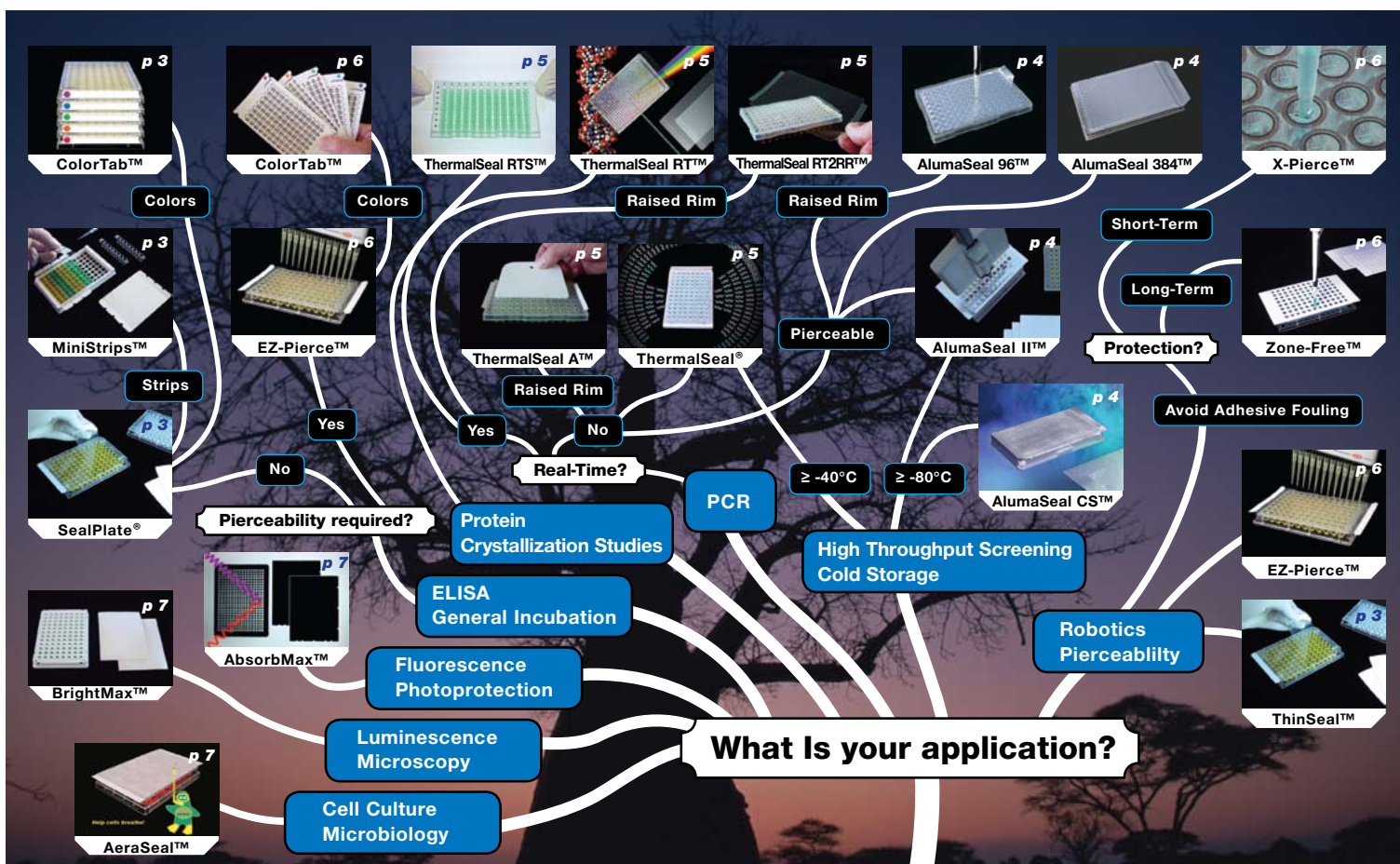
Excel Scientific sealing-film products share the following features:

- superior quality films; uniform, consistently-applied adhesives; seal without heat, avoiding damage to sensitive samples
- two end tabs (unless otherwise noted) for easy and accurate positioning on the microplate
- removable end-tab backing for secure sealing around ends of plate
- perforated end tabs (unless otherwise noted) for removal if necessary to prevent interference with automation equipment
- packaged in zippered bags for protection from particulates and extended shelf life within white cardboard boxes for easy stacking and storage

## Applications

Applications for Excel Scientific sealing films mirror the applications for multiwell microplates and tissue-culture plates that have become ubiquitous in today's laboratories. These include enzyme-linked immunoassays (ELISA) and polymerase chain reaction (PCR) methods for amplification of nucleic acids for analysis and quantification, both classic and real-time. Other Excel films are designed to support manual and robotic

processing and storage of samples in high-throughput screening (HTS), to maximize signal to noise in fluorescence and luminescence assays, and to promote uniform gas exchange in cell- and tissue-culture procedures. The decision tree below provides a guide to selection of appropriate sealing films by application and the pages where they can be found in this brochure.



## Samples

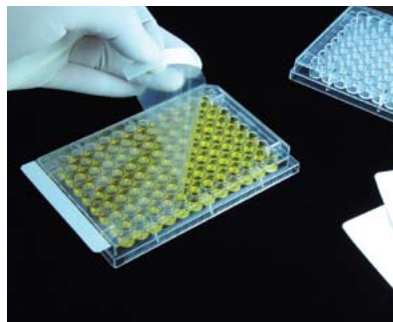
Sample packages of most Excel sealing films are available at no charge to qualified distributors and end-users and may be ordered from the Excel Scientific website, [www.excelscientific.com](http://www.excelscientific.com).

## SealPlate® Sealing Films for ELISA, Incubation, and Storage

SealPlate® 50 µm polyester films minimize evaporation, prevent spillage and contamination between wells, and provide a secure seal, not just a cover. Secure sealing of all wells eliminates “edge effects” in sensitive ELISA assays. SealPlate films can also be used with tissue-culture plates for short-term storage, incubation, and containment of biohazards. SealPlate films are non-pierceable.

- functional temperature range from -40 °C to +120°C
- available sterile and non-sterile

### Classic SealPlate® Films and ThinSeal™ Films



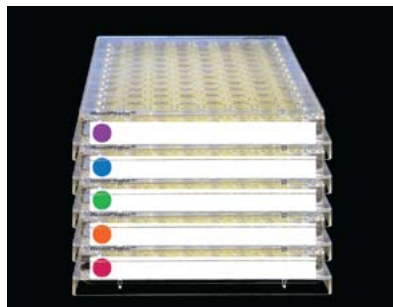
Each SealPlate film measures 79.4 x 146.1 mm, including two removable end tabs.

Catalog No.	Description
100-SEAL-PLT	SealPlate Films, Pkg of 100, <b>Non-Sterile</b>
STR-SEAL-PLT	SealPlate Films, Pkg of 100, <b>Sterile</b>

ThinSeal™ polyester films are just 25 µm thick, clearer and marginally pierceable with single-channel pipettes or probes for sample recovery. ThinSeal dimensions are 79.4 x 141.0 mm.

Catalog No.	Description
100-THIN-PLT	ThinSeal Films, Pkg of 100, <b>Non-Sterile</b>
STR-THIN-PLT	ThinSeal Films, Pkg of 100, <b>Sterile</b>

### SealPlate® Films with ColorTab™ End Tabs



U.S. and foreign patents pending.

SealPlate ColorTab™ films include a color dot and white writing area on each end tab for plate ID labeling. They are otherwise identical to classic SealPlate films. Assorted packages include each of the five dot colors in individual bags of ten within the outer box of 50.

- color dots and white labeling area on end tabs
- end tabs can be left on plate for identification even if center of film is removed
- second tab can be inscribed and separated for lab-notebook insertion

Catalog No.	Description
SP-IDG-100	SealPlate ColorTab Films, Green, <b>Non-Sterile</b> , Pkg of 100
SP-IDL-100	SealPlate ColorTab Films, Lavender, <b>Non-Sterile</b> , Pkg of 100
SP-IDO-100	SealPlate ColorTab Films, Orange, <b>Non-Sterile</b> , Pkg of 100
SP-IDR-100	SealPlate ColorTab Films, Red, <b>Non-Sterile</b> , Pkg of 100
SP-IDB-100	SealPlate ColorTab Films, Blue, <b>Non-Sterile</b> , Pkg of 100
SP-IDA-10	SealPlate ColorTab Films, Assorted, <b>Non-Sterile</b> , Pkg of 50
SPS-IDA-10	SealPlate ColorTab Films, Assorted, <b>Sterile</b> , Pkg of 50

### SealPlate® MiniStrips™ Films



SealPlate MiniStrips™ films are designed for sealing only one or two 8-well rows at a time on strip-well or standard plates whenever rows must be selectively protected or accessed. Each film is 19.1 x 103.2 mm, including two removable positioning tabs. Long dimension with tabs removed is 82.6 mm. MiniStrips are supplied in sheets of four from which strips can be peeled individually or two-at-a-time for application to plates. (NOTE: Spacing does not permit simultaneous application of more than two strips.) Compared to the original single-strip configuration, the new four-per-sheet format facilitates extraction from the package, handling, and removal of backing paper before application to the plate. Sterile product is packaged in 100 µm tamper-evident bags of 100.

- two tabs on each strip for easy application and removal
- perforated tabs can be removed or sealed around plate edge
- can be used as secondary seal to cover films that have been pierced
- easy handling in sheets of four
- apply to plates singly or two-at-a-time

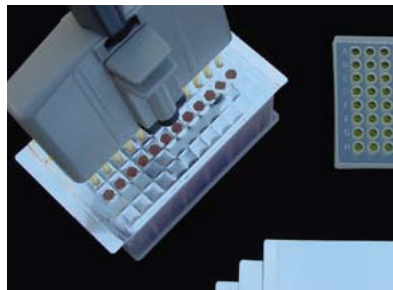
Catalog No.	Description
SP-2x8-50	MiniStrips Films, Pkg of 200, <b>Non-Sterile</b>
SPS-2x8-50	MiniStrips Films, Pkg of 200 in 2 zip bags of 100, <b>Sterile</b>

## AlumaSeal® Pierceable Sealing Foils for PCR and Cold Storage

Excel's AlumaSeal® foils listed below combine soft non-permeable aluminum with strong medical-grade adhesives to eliminate the need for heat-sealing devices or mats when protecting samples and preventing evaporation during PCR thermal cycling. Compared to other aluminum foils, these soft foils have less tendency to roll back when removing the backing paper and conform well to plates during application. Excellent vapor-barrier properties and easy pierceability also make AlumaSeal foils ideal for long-term sample storage and recovery. AlumaSeal CS™ foils are specifically designed for that purpose.

- heat & cold resistant
- all certified DNase-, RNase-, and nucleic-acid-free
- easily pierceable with single or multichannel pipettors and robotic probes for sample recovery
- excellent barrier properties, virtually no sample evaporation or drying

### AlumaSeal II™ Foils for PCR and Cold Storage

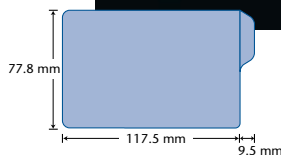


AlumaSeal II™ foils are 38 µm thick. Each foil measures 82.6 x 142.9 mm, including two full-width end tabs, and offers sufficient sealing area for all PCR plates. Length between the perforations with end tabs removed is 125.4 mm. Sterile product is packaged in 100 µm tamper-evident bags of 25.

- recommended for temperatures from -80 °C to +120 °C
- available sterile

<i>Catalog No.</i>	<i>Description</i>
AF-100	AlumaSeal II Foils, Pkg of 100, <b>Non-Sterile</b>
AFS-25	AlumaSeal II Foils, Pkg of 50 in two zip bags of 25, <b>Sterile</b>

### AlumaSeal 96™ Foils Primarily for PCR

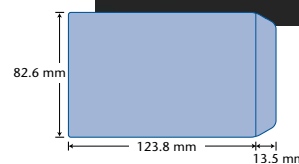
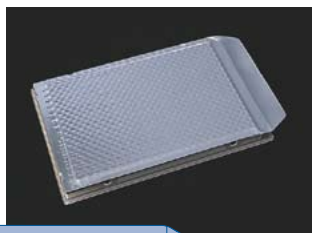


AlumaSeal 96™ foils are 38 µm thick and designed to fit within the rim of 96-well raised-rim plates. These foils have one partial-width end tab with no perforations. They are available non-sterile only. Dimensions are 127.0 x 77.8 mm (including the single 9.5 mm end tab).

- recommended for temperatures from -40 °C to +120 °C
- alternative to Corning®/Costar® #6570
- cut to fit on raised-rim plates

<i>Catalog No.</i>	<i>Description</i>
F-96-100	AlumaSeal 96 Foils, Pkg of 100, <b>Non-Sterile</b>

### AlumaSeal 384™ Foils Primarily for PCR

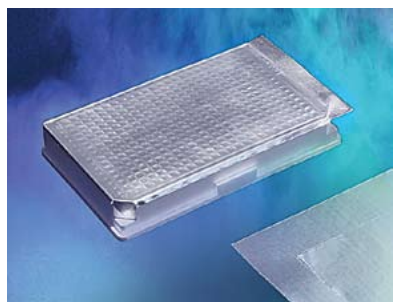


AlumaSeal 384™ foils are 38 µm thick and designed for use with 384-well plates. They can also be used on 96-well plates without raised rims. These foils have one end tab with no perforations. They are available non-sterile only. Film dimensions are 137.3 x 82.6 mm (including the single 13.5 mm end tab).

- recommended for temperatures from -40 °C to +120 °C
- alternative to Corning®/Costar® #6569.

<i>Catalog No.</i>	<i>Description</i>
F-384-100	AlumaSeal 384 Foils, Pkg of 100, <b>Non-Sterile</b>

### AlumaSeal CS™ Foils for Cold Storage to -80 °C



AlumaSeal CS™ foils are 50 µm thick and formulated for best performance in cold storage down to -80 °C. Unlike other AlumaSeal foils, these are not recommended for PCR or thermal cycling. A single non-perforated end tab simplifies application. Simply hold the tab and strip the backing as the body of the foil lays on the plate to avoid curling. Dimensions are 82.6 by 132.6 mm, including the 9.5 mm end tab. Sterile product is packaged in 100 µm tamper-evident bags of 25.

- available sterile
- alternative to Beckman #538619

<i>Catalog No.</i>	<i>Description</i>
FC-100	AlumaSeal CS Foils, Pkg of 100, <b>Non-Sterile</b>
FCS-25	AlumaSeal CS Foils, Pkg of 50 in two zip bags of 25, <b>Sterile</b>

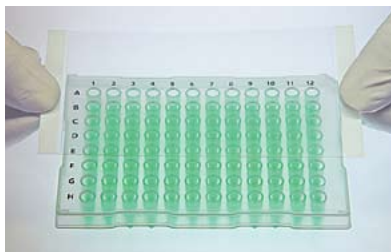
## ThermalSeal® Transparent Sealing Films for PCR and Storage

ThermalSeal® films consist, unless otherwise noted, of 50 µm thick sheets of transparent polymer – polyolefin, polyester, or polypropylene depending on the specific film – with adhesive formulations optimized for specific PCR applications. They are non-pierceable, but easier to apply than AlumaSeal films because they have no tendency to roll back when peeled from their backing sheets. The exceptionally high optical clarity of ThermalSeal RTS and RT films provides superior performance for real-time qPCR applications.

- heat resistant
- non-pierceable
- all have two end tabs
- all certified DNase-, RNase-, and nucleic-acid-free
- easily applied to plates, no rollback tendency

### ThermalSeal RTS™ Films for RT qPCR, Protein Crystallization, and Storage

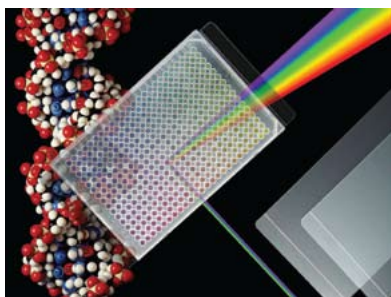
**New!**



New ThermalSeal RTS™ films are based on patented 3M® 9795 50 µm polyolefin with 50 µm inert encapsulated silicone adhesive. They are optically clear with low autofluorescence. The adhesive is non-tacky until pressed on the plate to form the strongest available heat-resistant seal around each well. Adhesive over sample wells remains encapsulated and inert. ThermalSeal RTS films fit within the edges of raised-rim plates. The non-tacky adhesive surface simplifies handling. Dimensions 76.2 by 133.4 mm. With end tabs removed, length is 113.0 mm. Recommended for temperatures from -70 °C to +100 °C. ■ DMSO resistant.

Catalog No.	Description
TSS-RTQ-100	ThermalSeal RTS, Pkg of 100, <b>Non-Sterile</b>

### ThermalSeal RT™ Films for Real-Time qPCR and Crystallization

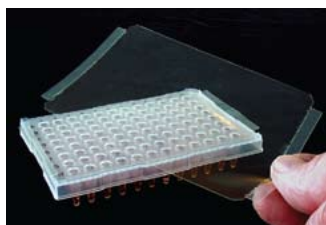


ThermalSeal RT™ films combine optically transparent polyester with a strong, ultra-smooth, non-absorbing, non-fluorescing medical-grade adhesive for superior performance in real-time qPCR applications. A plastic liner, easily removed before use, contributes smoothness and extreme optical clarity to the adhesive. Dimensions 79.4 by 142.9 mm for sealing PCR plates. Length between the perforations with end tabs removed is 121.9 mm. Temperatures from -40 °C to +120 °C. The ultra-high clarity of ThermalSeal RT films has also made them useful for protein crystallization studies.

- “brilliant” optical clarity
- 125 µm film: more rigid, less tendency to wrinkle if frozen

Catalog No.	Description
TS-RT2-100	ThermalSeal RT2, 50 µm Films, Pkg of 100
TS-RT5-100	ThermalSeal RT5, 125 µm Films, Pkg of 100 (see note above)

### ThermalSeal RT2RR™ Films for Raised-Rim Plates



The same consistent ultra-high optical clarity as ThermalSeal RT™ films for more reproducible, reliable, and consistent qPCR measurements. Inert, strong, temperature-resistant adhesive assures reliable sealing around each well. End tabs easily removable at perforated boundaries prevent lifting and higher evaporation rates that can occur when films overlap the plate rim. Dimensions 77.8 by 130.8 mm. With end tabs removed, length is 118.1 mm with 45° corners.

Catalog No.	Description
TS-RT2RR-100	ThermalSeal RT2RR, 50 µm Films, Pkg of 100

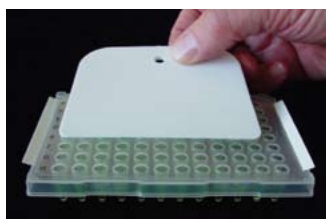
### Classic ThermalSeal® Films



Polypropylene films for thermal cycling. (Not recommended for PCR plates with narrow or irregular sealing surfaces: AlumaSeal, ThermalSeal A, or ThermalSeal RT series films are better in such instances.) Each film measures 79.4 x 135.1 mm and offers sufficient sealing area for all PCR plates. Length between the perforations with end tabs removed is 123.1 mm. Recommended for temperatures from -40 °C to +120 °C. MiniStrips seal just one or two 8-well rows at a time.

Catalog No.	Description
100-THER-PLT	ThermalSeal, Pkg of 100, <b>Non-Sterile</b>
STR-THER-PLT	ThermalSeal, Pkg of 100, <b>Sterile</b>
TS-2x8-50	ThermalSeal MiniStrips, Pkg of 200 in 4 zip bags of 50, <b>Non-Sterile</b>

### ThermalSeal A™ Films for Raised-Rim Plates



An advanced version of classic ThermalSeal® polypropylene films with a much stronger and thicker adhesive layer. ThermalSeal A™ films fit raised-rim plates and provide more secure sealing of all wells because the center of the film does not extend over the plate rim. Each film measures 77.8 x 135.5 mm overall. Length with end tabs removed is 118.1 mm. Recommended temperatures: -40 °C to +125 °C. One sealing paddle for ensuring a firm seal on raised-rim plates is included in each package.

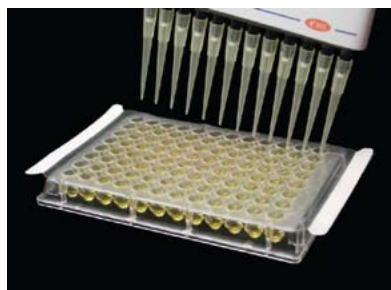
Catalog No.	Description
TSA-100	ThermalSeal A, Pkg of 100, <b>Non-Sterile</b>

## Pierceable Films for Processing, Robotics, and Autosampling

Excel Scientific currently manufactures three types of polymeric plate-sealing films that are easily pierceable by robotic probes and pipet tips for sample recovery. EZ-Pierce™ and Zone-Free™ films consist of 70 µm thick polyethylene film with an acrylic adhesive and two removable end tabs for easy positioning on microplates. The Zone-Free films have an adhesive-free area above each well for 96-well plates. X-Pierce films are clear vinyl with a precut “X” over each well for 96-well plates.

- inert, chemical resistant
- functional temperature ranges -40°C to +90°C
- all have two end tabs, removable at perforations

### EZ-Pierce™ Sealing Films



Plain, unprinted polyethylene films, available sterile and non-sterile. Dimensions are 82.6 by 142.9 mm, including end tabs. The long dimension with the end tabs removed is 125.1 mm. Sterile product is packaged in 100 µm tamper-evident bags of 25.

Catalog No.	Description
EZP-100	EZ-Pierce Films, Pkg of 100, <b>Non-Sterile</b>
EZPS-25	EZ-Pierce Films, Pkg of 50 in two zip bags of 25, <b>Sterile</b>

### EZ-Pierce™ Printed Films with ColorTab™ End Tabs



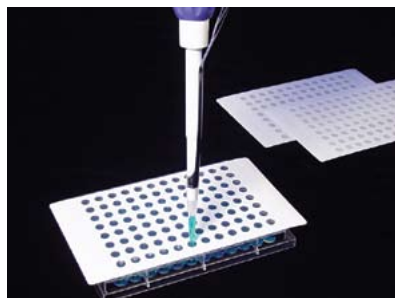
U.S. and foreign patents pending.

Printed with a 96-well alphanumeric template, these films also have color dots and white writing areas on end tabs for plate identification. Otherwise identical to plain EZ-Pierce films above. End tabs can be sealed and left in place for identification even if the center portion of the film is removed. Five dot colors (green, lavender, orange, red, blue) in individual bags of ten within the outer box of 50.

- color dots, white labeling area, and printed template to simplify well location
- end tabs can be left on plate for identification even if center of film is removed
- second tab can be inscribed and separated for lab-notebook insertion

Catalog No.	Description
EZP-PRNA-10	EZ-Pierce ColorTab Films, Assorted, Pkg of 50, <b>Non-Sterile</b>
EZPS-PRNA-10	EZ-Pierce ColorTab Films, Assorted, Pkg of 50, <b>Sterile</b>

### Zone-Free™ Sealing Films



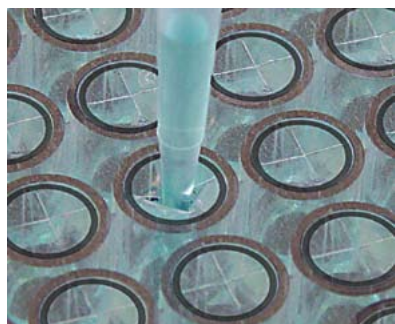
U.S. and foreign patents pending.

Zone-Free™ films feature a 70 µm adhesive-free polyethylene top layer with a patterned inert white polypropylene/adhesive sublayer. The easy-piercing top layer allows direct sample recovery with pipet tips or robotic probes without adhesive fouling and minimizes adhesive contact with samples. Dimensions are 79.4 by 142.9 mm for 96-well plates. Long dimension with end tabs removed is 122 mm. Sterile product is packaged in 100 µm tamper-evident bags of 25.

- clear zone above each well is free of adhesive and easily pierceable
- clear zones and end-tabs facilitate well alignment and accurate positioning

Catalog No.	Description
ZAF-PE-50	Zone-Free Films, Pkg of 50, <b>Non-Sterile</b>
ZAFS-PE-25	Zone-Free Films, Pkg of 50 in two zip bags of 25, <b>Sterile</b>

### X-Pierce™ Sealing Films



Patented.

Also useful for sample protection during manual reagent additions and preventing splash-over when sonicating with microtips, X-Pierce™ films are 100 µm vinyl with a 20 µm adhesive layer. They are designed for temporary protection of samples in 96-well plates. A precut “X” over each well creates four flaps that easily bend downward when pushed by a probe or pipet tip allowing sample access without coring or adhesive fouling. The flaps return to their original position after sampling for continued protection. For long-term protection, a continuous film should be applied as a second layer. Dimensions are 79.4 x 145.5 mm, 124.5 mm between end tabs. Sterile product is packaged in 100 µm tamper-evident bags of 25.

- protect samples short-term and limit evaporation
- easy sampling by robotic probes or tips without fouling or coring
- reseal for continued protection after sampling

Catalog No.	Description
XP-100	X-Pierce Films, Pkg of 100, <b>Non-Sterile</b>
XPS-25	X-Pierce Films, Pkg of 50 in two zip bags of 25, <b>Sterile</b>

## AeraSeal™ Breathable Sealing Films for Cell and Tissue Culture

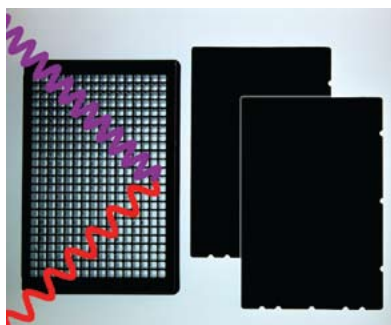


A 114  $\mu\text{m}$  hydrophobic porous film with medical-grade adhesive for tissue culture plates, bio-blocks, and 96-well plates where gas exchange is necessary for cell or bacterial growth. AeraSeal films minimize evaporation, cross-contamination, and spillage. They allow uniform air and  $\text{CO}_2$  exchange for all wells, unlike plate lids which favor exchange for wells near plate edges. Dimensions 82.6 by 142.9 mm for standard-size tissue culture plates. Non-perforated end tabs will easily tear off over the end of the plate if removal is desired. Sterile product is packaged in 100  $\mu\text{m}$  tamper-evident bags of 25.

- non-cytotoxic, highly gas permeable
- easily pierceable with pipette tips or pipettes for sample recovery
- recommended for temperatures from  $-20\text{ }^\circ\text{C}$  to  $+80\text{ }^\circ\text{C}$

Catalog No.	Description
B-100	AeraSeal Films, Pkg of 100, <b>Non-Sterile</b>
BS-25	AeraSeal Films, Pkg of 50 in two zip bags of 25, <b>Sterile</b>

## AbsorbMax™ Black Films for Fluorescence and Photoprotection



AbsorbMax™ films are 200  $\mu\text{m}$  thick black vinyl adhesive films for use primarily with 96-well, 384-well, and 1536-well black microplates. They may be applied to the top or bottom of the plate. Edge cutouts assist in positioning and accommodate ribs on the plate bottom. A single-split backing aids in applying the film properly. There are no end tabs. The light-blocking and absorbing properties of AbsorbMax films make them ideal for protecting light-sensitive samples during storage. In fluorescence applications they reduce stray light and well-to-well crosstalk. Dimensions 76.2 by 114.3 mm. AbsorbMax films will fit within the rim of raised-rim plates. Recommended temperature range:  $-40\text{ }^\circ\text{C}$  to  $+80\text{ }^\circ\text{C}$ . Sterile product is packaged in 100  $\mu\text{m}$  tamper-evident bags of 25.

- black light-absorbing sealing films for use with black microplates
- may be applied to top or bottom of plate
- protect light-sensitive samples during storage
- reduce stray light and crosstalk in fluorescence assays

Catalog No.	Description
BK-50	AbsorbMax Black Films, Pkg of 50, <b>Non-Sterile</b>
BKS-25	AbsorbMax Black Films, Pkg of 50 in two zip bags of 25, <b>Sterile</b>

## BrightMax™ White Films for Luminescence and Microscopy

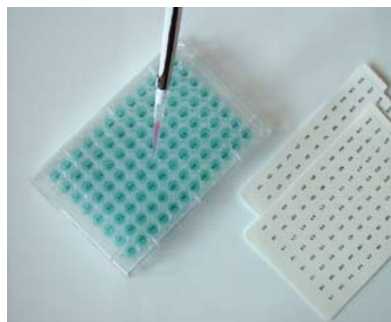


BrightMax™ films are 200  $\mu\text{m}$  thick white vinyl adhesive films for use with white microplates. The light-reflective properties of BrightMax plate-sealing films on clear-bottom plates maximize sensitivity of bioluminescence and chemiluminescence assays in bottom-reading luminometers. White films also have application as a backing matrix for microscopy of punchout samples from filter plates. Dimensions are 76 by 116 mm with no end tabs. A backing split singly on the long dimension aids in applying film to plates. Recommended temperature range:  $-40\text{ }^\circ\text{C}$  to  $+80\text{ }^\circ\text{C}$ .

- white light-reflecting sealing films for use with white microplates
- may be applied to top or bottom of plate
- maximize sensitivity in luminescence assays

Catalog No.	Description
WT-50	BrightMax White Films, Pkg of 50, <b>Non-Sterile</b>

## MarkWells™ Labels for Easy Well Identification



MarkWells™ labels are handy adhesive labels for application on the underside of flat-bottom 96-well plates. Each well is identified by a black-on-clear alphanumeric index that can be easily captured in microscopic images. Labels position easily by alignment with inside of plate edges. Dimensions of each label, not including the tab, are 79.4 by 117.5 mm.

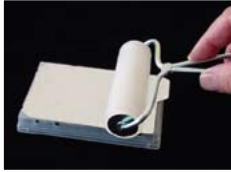
- identify wells clearly when pipetting
- identify wells under microscopic examination
- position easily on underside of standard 96-well flat-bottom plates

Catalog No.	Description
L-MW-100	MarkWells Labels, Pkg of 100, <b>Non-Sterile</b>
LS-MW-25	MarkWells Labels, Pkg of 50, <b>Sterile</b>



## Sealing Film Accessories

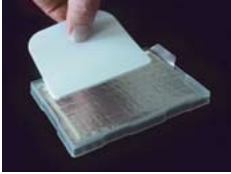
### Plate Roller



Completing application of a plate-sealing film by pressing with the accessory plate roller assures a secure and uniform seal around all wells on 96-well, 384-well, and 1536-well microplates and larger-well tissue culture plates.

**Catalog No.** RL-PLT-01  
**Description** Plate Roller, Pkg of 1, **Non-Sterile**

### Film-Sealing Paddles



An alternative to the plate roller for pressing films to assure a secure uniform seal around all wells on 96-well, 384-well, and 1536-well plates. These paddles are especially recommended for sealing films on raised-rim plates because they fit within the rim of the plate.

**Catalog No.** PDL-5  
**Description** Film-Sealing Paddles, Pkg of 5, **Non-Sterile**

## Excel Sealing Film Guide

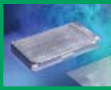
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<b>Sealing Film Guide</b>												
<b>Product:</b>	SealPlate® Films	AlumaSeal II™ Films	AlumaSeal 96™ AlumaSeal 384™	ThermalSeal™ Films	ThermalSeal RT™ Films	ThermalSeal RTS™ Films	EZ-Pierce™ Films	Zone-Free™ Films	X-Pierce™ Films	AbsorbMax™ Films	BrightMax™ Films	AeraSeal™ Films
<b>Application:</b>	ELISA, Incubation, Storage	PCR, Cold Storage	PCR, Storage	PCR, Storage	Real-Time qPCR, Crystalization	Real-Time qPCR, Crystalization, HTS Storage	Processing, Autosampling	Processing, Autosampling	Processing, Autosampling, Sonication	Fluorescence, Storage	Luminescence, Microscopy	Cell Culture, Tissue Culture
<b>Special Properties:</b>	eliminates edge effects	chemical-resistant light-blocking good moisture barrier	chemical-resistant light-blocking good moisture barrier	chemical-resistant good moisture barrier	best optical clarity	high clarity, minimal autofluorescence, strong adhesive	easily pierceable chemical-resistant conforms to plate	easily pierceable chemical-resistant adhesive-free area over each well	pre-cut pierceable resealing printed well guides	black, light-absorbing	white, light-reflecting	breathable
<b>Minimum Temp:</b>	-40 °C	-80 °C	-40 °C	-40 °C	-40 °C	-70 °C	-40 °C	-40 °C	-40 °C	-40 °C	-40 °C	-20 °C
<b>Maximum Temp:</b>	+120 °C	+120 °C	+120 °C	+125 °C	+120 °C	+100 °C	+90 °C	+90 °C	+90 °C	+80 °C	+80 °C	+80 °C
<b>Available Sterile:</b>	Yes	Yes		Yes			Yes	Yes	Yes	Yes		Yes
<b>Pierceable:</b>		Yes	Yes				Yes	Yes	Yes			Yes
<b>RNase/DNase Free:</b>		Yes	Yes	Yes	Yes	Yes						
<b>Material:</b>	Polyester	Aluminum	Aluminum	Polypropylene	Polyester	Polyolefin	Polyethylene	Polyethylene/ Polypropylene	Vinyl	Vinyl	Vinyl	Rayon
<b>Nonsterile:</b>	100-SEAL-PLT	AF-100	F-96-100 F-384-100	100-THER-PLT	2 mil Thickness TS-RT2-100 5 mil Thickness TS-RT5-100	TSS-RTQ-100	EZP-100	ZAF-PE-50	XP-100	BK-50	WT-50	B-100
<b>Sterile:</b>	STR-SEAL-PLT	AFS-25		STR-THER-PLT			EZPS-25	ZAFS-PE-25	XPS-25	BKS-25		BS-25



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SP-IDR-100  
SP-IDB-100  
SP-IDA-10  
SPS-IDA-10



MiniStrips™  
2x8-well strips  
SP-2x8-50  
SPS-2x8-50



AlumaSeal CS™  
for cold storage only  
FC-100  
FCS-25



AlumaSeal 96™  
Equivalent to Corning/Costar #6570



AlumaSeal 384™  
Equivalent to Corning/Costar #6569



ThermalSeal A™  
for Raised-Rim Plates  
Non-Sterile Only  
TSA-100



ThermalSeal RT2R™  
for Raised-Rim Plates  
Non-Sterile Only  
TS-RT2RR-100



ThermalSeal RTS™  
for Raised-Rim Plates  
Non-Sterile Only  
TS-RT5-100



Available with printed well guides and ColorTab™ End Tabs  
EZP-PRNA-10  
EZPS-PRNA-10



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