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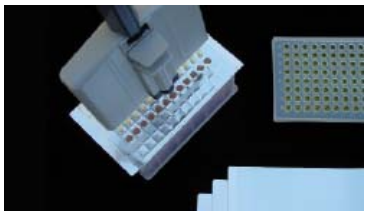
Sealing Films for PCR and Cold Storage

All Finneran Products Are Certified



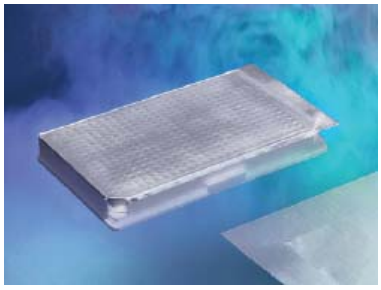
Each sealing film measures 82.6mm x 146.1mm and offers sufficient sealing area for all PCR plates. Length between the perforations with end tabs removed is 125.4mm

AlumaSeal II™ Sealing Film for PCR and Cold Storage

A 38µm soft non-permeable aluminum foil sealing film with strong medical-grade adhesive, AlumaSeal II™ sealing films eliminate the need for heat-sealing devices or mats during thermal cycling. Compared to other aluminum foils, AlumaSeal II has less tendency to roll back on itself when removing the backing paper and conforms well to the plate during application.

- *Easily pierceable with single or multichannel pipettors and robotic probes*
- *Heat and cold resistant, recommended for temperatures from -80°C to 120°C*
- *Certified DNase-, RNase-, and nucleic-acid-free*
- *Excellect barrier properties, virtually no sample evaporation or drying*

Cat. No.	Description	Qty
AF-100	AlumaSeal II Sealing Film	100
RL-PLT-01	Accessory - Plate Roller	1



Dimensions are 82.6mm x 132.6mm, including the single 9.5mm end tab.

AlumaSeal CS™ Sealing Film for Cold Storage

AlumaSeal CS™ sealing films are specially formulated aluminum foil sealing films with an adhesive that withstands cold storage at temperatures to -80°C. Unlike other sealing films in the AlumaSeal group, AlumaSeal CS™ sealing films are not recommended for PCR or thermocycling. A single non-perforated end tab simplifies application. Simply hold the tab and strip the backing from the body of the sealing film as it lays on the plate to avoid curling.

- *Recommended temperature range: -80°C to +130°C*
- *Certified DNase-, RNase-, and nucleic-acid-free*
- *Excellent barrier properties to retard evaporation*
- *Easily pierceable with pipet tips or robotic probes for sample recovery*

Cat. No.	Description	Qty
FCC-100	AlumaSeal CS™ Sealing Film	100
RL-PLT-01	Accessory - Plate Roller	1

ThermalSeal™ Sealing Films

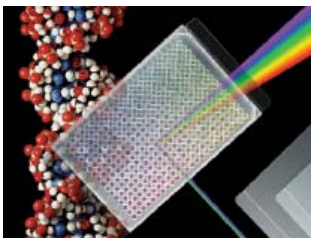
ThermalSeal® Sealing Films for PCR

50µm heat-resistant polypropylene sealing film designed for thermal cycling applications. (Not recommended for PCR plates with narrow or irregular sealing surfaces). Length between the perforations with end tabs removed is 123.1mm. ThermalSeal sealing films are not pierceable. For applications where piercing with pipet tips or robotic probes is required for product recovery, see AlumaSeal II sealing films.

- *Heat and cold resistant, recommended for temperatures from -40°C to +120°C*
- *Easier to apply than aluminum foils, no tendency to roll back*
- *Certified DNase-, RNase-, and nucleic-acid-free*
- *Dimensions: 79.4mm x 135.1mm, sufficient sealing area for all PCR plates*

Cat. No.	Description	Qty
100-THER-PLT	ThermalSeal™ Sealing Film	100
STR-THER-PLT	ThermalSeal™ Sealing Film, Sterile	100
RL-PLT-01	Accessory - Plate Roller	1

Sealing Films for PCR and Cold Storage



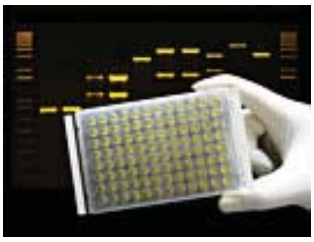
ThermalSeal RT™ Sealing Films

ThermalSeal® RT™ Sealing Films for Real-Time PCR

ThermalSeal RT™ sealing films combine an optically transparent polyester sealing film with a strong, ultra-smooth, non-absorbing, non-fluorescing medical-grade adhesive for superior performance in real-time PCR applications. In place of the customary paper backing, ThermalSeal RT™ sealing films have a plastic liner which is easily removed before use and contributes smoothness and extreme optical clarity to the adhesive. Length between the perforations with end tabs removed is 121.9mm.

- *"Brilliant" ultra-high optical clarity*
- *Heat resistant, recommended for temperatures from -40°C to +120°C*
- *Certified DNase-, RNase-, and nucleic-acid-free*
- *Dimensions: 79.4mm x 142.9mm*

Cat. No.	Description	Qty
TS-RT2-100	ThermalSeal RT™ 50-µm-thick Sealing Film, Non-Sterile	100
RL-PLT-01	Accessory - Plate Roller	1



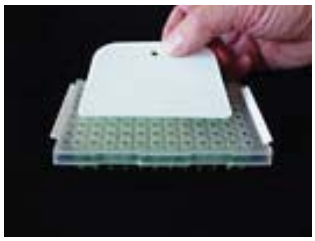
ThermalSeal 2™ Sealing Films

ThermalSeal 2™ Sealing Films for PCR

These improved films for classic thermal cycling applications consist of a 50µm polyester film with a 41µm layer of acrylic adhesive. Compared to the original ThermalSeal® films (above), ThermalSeal 2™ films offer better adhesion, reduced evaporation, longer end tabs for easier handling, and less tendency to tear during removal from the plate. Each sealing film offers sufficient sealing area for all PCR plates. Length between the perforations with end tabs removed is 125.1 mm. (Not recommended for raised-rim plates; see ThermalSeal A™ films). ThermalSeal 2™ sealing films are not pierceable. For applications where piercing with pipet tips or robotic probes is required for product recovery, see AlumaSeal® sealing films. For real-time PCR applications where maximum optical clarity is required, see ThermalSeal RT™ and RTS™ sealing films.

- *Heat resistant, recommended for temperatures from -40°C to +120°C*
- *Better adhesion; reduced evaporation*
- *Longer tabs for easier handling*
- *Does not tear when removing from plate*
- *Certified DNase-, RNase-, and nucleic-acid-free*
- *Dimensions: 79.4mm x 139.7mm*

Cat. No.	Description	Qty
TS2-100	ThermalSeal 2™ Sealing Films; Polyester, 50µm Thick, Non-Pierceable, Better Adhesion, Non-Sterile	100
RL-PLT-01	Accessory - Plate Roller	1



ThermalSeal A™ Sealing Films

ThermalSeal A™ Sealing Films for PCR and Storage

ThermalSeal A™ sealing films are an advanced version of the ThermalSeal® sealing films for PCR. ThermalSeal A™ films consist of 50µm polyester film with a 41µm layer of acrylic adhesive formulated for improved protection against evaporation and leakage during thermal cycling. Intended for non real-time PCR applications, ThermalSeal A™ films are designed to fit inside the edge of raised-rim PCR plates and provide more secure sealing of all wells because the center of the film does not extend over the plate rim. Two end tabs allow for easy positioning of the film on the plate but are perforated for easy removal if necessary. Length between the perforations wth end tabs removed is 118.1mm. Each package of ThermalSeal A™ films includes one sealing paddle for ensuring a firm seal, also compatible with raised-rim plates

- *Heat resistant, recommended for temperatures from -40°C to +120°C*
- *Can be used with raised-rim PCR plates and standard plates*
- *Two end tabs, perforated for easy removal*
- *Certified DNase-, RNase-, and nucleic-acid-free*
- *Dimensions: 77.8mm x 135.5mm overall*

Cat. No.	Description	Qty
TSA-100	ThermalSeal A™ Sealing Films; Narrow Sealing Surface, Polyester, 50µm Thick, Non-Pierceable	100
PDL-5	Film-Sealing Paddles for Pressing Film to Plate, works within edges of Raised-Rim Plates (10 packs of 5)	50

Sealing Films for PCR and Cold Storage

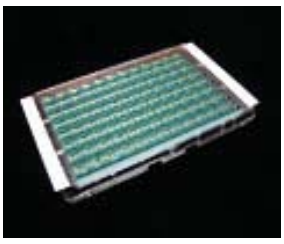
ThermalSeal RT2RR™ Sealing Films

ThermalSeal RT2RR™ Sealing Films for Real-Time PCR

ThermalSeal RT2RR™ 50µm polyester sealing films for real-time PCR are sized to fit within the edges of raised-rim 96-well plates. The same consistent ultra-high optical clarity as ThermalSeal RT™ sealing films makes possible more reproducible, reliable, and consistent DNA amplification measurements. An inert, strong, temperature-resistant adhesive assures reliable sealing around each well. Two end tabs assist in positioning the sealing film. Easy removal of the end tabs at perforated boundaries prevents lifting and higher evaporation rates that can occur with sealing films that overlap the plate rim. Recommended for specific DNA sequence detection in clinical diagnostics, forensic science and basic research. With end tabs removed, length is 118.1mm with 45° corners.

- *Ultra-high optical clarity*
- *Fit within plate rim to prevent evaporation due to sealing film lifting*
- *Heat resistant, recommended for temperatures from -40°C to +120°C*
- *Certified DNase-, RNase-, and nucleic-acid-free*
- *Dimensions: 77.8mm x 130.8mm.*

Cat. No.	Description	Qty
TS-RT2RR-100	ThermalSeal RT2RR™ Sealing Films; Polyester 50µm-thick Sealing Films, Non-Sterile	100
PDL-5	Film-Sealing Paddles for Pressing Film to Plate, works within edges of Raised-Rim Plates (10 packs of 5)	50



ThermalSeal RTS™ Sealing Films

ThermalSeal RTS™ Sealing Films for qPCR, Storage & Crystallization

ThermalSeal RTS™ sealing films are based on 50µm polyolefin films with 50µm inert encapsulated silicone adhesive. They are optically clear, with low autofluorescence, and are especially suited for real-time qPCR, storage, and protein crystallization applications. The encapsulated silicone adhesive is non-tacky until pressed against the sealing surface, at which time adhesive is released only in sealing areas to form the strongest available heat-resistant seal around each well on the plate. Adhesive on non-sealing areas of the film, such as directly over sample wells, remains encapsulated and inert. Sized to fit within the edges of raised-rim 96-well plates. Their consistent high optical clarity makes possible reproducible, reliable, and consistent DNA amplification measurements and crystal detection. Two end tabs assist in positioning the film on the plate, and the non-tacky adhesive surface simplifies handling. Easy removal of the end tabs at perforated boundaries prevents lifting and higher evaporation rates that can occur with films that overlap the plate rim. With end tabs removed, length is 113.0 mm.

- *High optical clarity*
- *Minimal to no autofluorescence*
- *Chemically inert; no extractables except at extreme pH*
- *DMSO resistant for HTS*
- *Heat resistant, recommended for temperatures from -70°C to +100°C*
- *Certified DNase-, RNase-, and nucleic-acid-free*
- *Fit within raised plate rim to prevent loss of seal due to film lifting*
- *Silicone adhesive forms the strongest available seal for evaporation prevention*
- *Non-tacky adhesive layer simplifies handling of film prior to sealing*
- *Dimensions: 78.6mm by 139.7mm.*

Cat. No.	Description	Qty
TSS-RTQ-100	ThermalSeal RTS™ Sealing Films: Non-Sterile	100
PDL-5	Film-Sealing Paddles for Pressing Film to Plate, works within edges of Raised-Rim Plates (10 packs of 5)	50

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