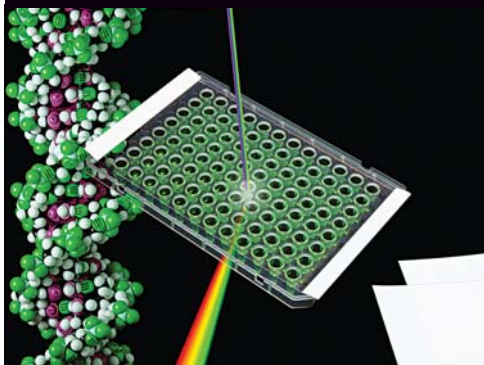


New!

ThermalSeal RTS™ Films for RT PCR, Storage & Protein Crystallization



ThermalSeal RTS sealing film on 96-well raised-rim PCR plate.

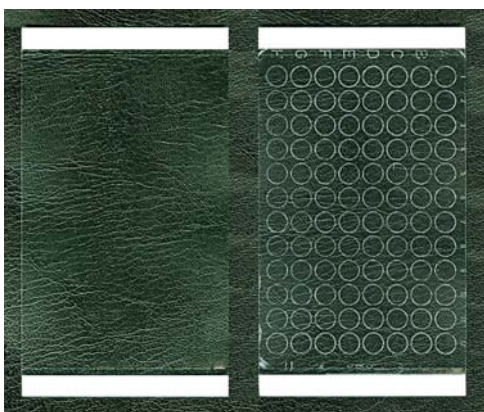
ThermalSeal RTS™ sealing films are based on 50 µm polyolefin films with 50 µm inert silicone adhesive. They are optically clear, with low autofluorescence, and are especially suited for real-time qPCR, storage, and protein crystallization applications. The silicone adhesive is non-tacky until pressed 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, remain unexposed and inert.

Excel ThermalSeal RTS films are 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. Dimensions 76.2 by 133.4 mm. 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

Catalog No.	Description
TSS-RTQ-100	ThermalSeal RTS, 50 µm Films, Pkg of 100

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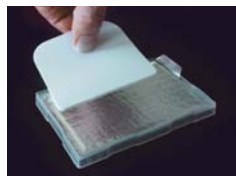


Scans of ThermalSeal RTS sealing film against black leather background before (left) and after (right) sealing to 96-well microplate. Areas of light scattering (white) show release of active adhesive.

Accessories



Roller



Paddle

Completing application of a plate-sealing film by pressing with the accessory plate roller assures a secure and uniform seal around all wells. Paddles are an alternative to the plate roller and are recommended for films on raised-rim plates because they fit within the plate rim.

Catalog No.	Description
RL-PLT-01	Plate Roller, Pkg of 1, Non-Sterile
PDL-5	Film-Sealing Paddles, Pkg of 5, Non-Sterile

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