

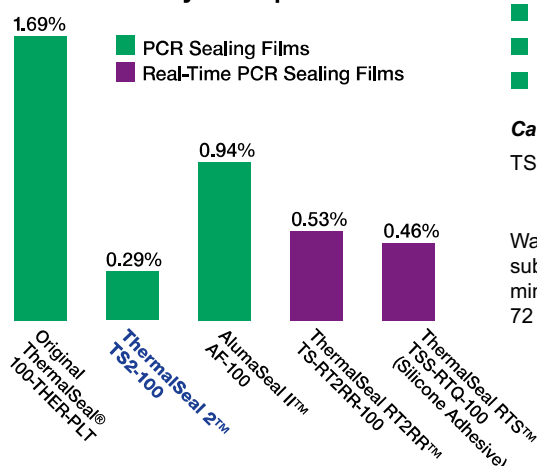
New!

ThermalSeal 2™ Films for PCR



ThermalSeal 2 sealing film on 96-well PCR plate with agarose gel pattern.

Measured 30-Cycle Evaporation Rates



ThermalSeal 2™ improved films for classic thermal cycling applications consist of a 50-µm-thick polyester film with a 41 µm layer of acrylic adhesive. Compared to the original ThermalSeal® films, 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 ThermalSeal 2 sealing film measures 79.4 x 139.7 mm and offers sufficient sealing area for all PCR plates. The length between the perforations with end tabs removed is 125.1 mm.

ThermalSeal 2 films are not recommended for raised-rim plates. For raised-rim plate applications, use 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, AlumaSeal® sealing films are recommended. For real-time PCR applications where maximum optical clarity is required, use ThermalSeal RTS™ or ThermalSeal RT™ sealing films.

- heat resistant, recommended for temperatures from -40 °C to +120 °C
- better adhesion; reduced evaporation
- longer end tabs for easier handling
- does not tear during removal from the plate
- easier to apply than aluminum foils, no tendency to roll back
- certified DNase-, RNase-, and nucleic-acid- free

Catalog No.	Description
TS2-100	ThermalSeal 2 Films, Pkg of 100, Non-Sterile

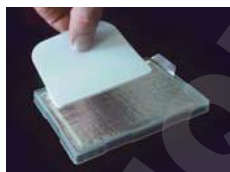
Water samples in ABI MicroAmp® N801-0560 plates were sealed with the films indicated, then subjected to thermal cycling in a LabNet thermal cycler as follows. Pre-heat lid to 105 °C for 5 min. Initial denaturation at 94 °C for 5 min. Then 30 cycles of 94 °C for 30 sec, 55 °C for 30 sec, 72 °C for 30 sec. Final hold at 4 °C. Evaporation was measured by differential weighing.

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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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