Agilent

Trusted Answers

Fast, Easy, Reliable Microplate Sealing

Agilent PlateLoc thermal microplate sealer

Reliable and Versatile Plate Sealing

The Agilent PlateLoc thermal microplate sealer is the premier thermal sealer for fast, easy, and reliable microplate sealing. This versatile system is designed to easily adapt to a wide range of standard microplates using a variety of aluminum and clear seal rolls to accommodate a broad range of plate sealing requirements.

Fully functional in standalone operation, the PlateLoc can also be integrated into larger automation workstations.

Easy to operate
A touch-screen interface enables fast and easy manual operation.

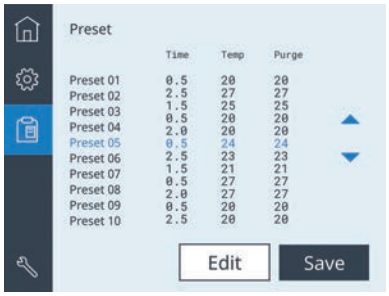
Precise
±2 °C sealing temperature control means seal integrity remains the same for every microplate.

Fast
PlateLoc features short cycle times, with no required cool-down periods.

Flexible
Automatic adjustments and different plate inserts accommodate a wide range of microplates and tube racks.

Energy efficient
Sleep mode shuts off the screen and hotplate after 20, 60, or 300 minutes of inactivity to save energy.

Quick configurability
Up to 10 programmable presets saves time when changing seal settings for different sealing applications.



Compatible microplates

- Microplates that meet standards ANSI/SBS 1-2004 through ANSI/SBS 4-2004
- Standard microplates in 96-, 384-, and 1,536-well formats (deep well and PCR microplates)
- Plate support inserts available for skirtless and half-skirt PCR plates

Microplate material types

- Polypropylene
- Polystyrene
- COC

Consult the Agilent Seal Selection Guide (publication number 5990-3659EN) for complete heat-seal specifications and ordering information.

Common applications

- Compound storage
- Screening
- PCR/qPCR/NGS

Flexible Options to Match Your Needs

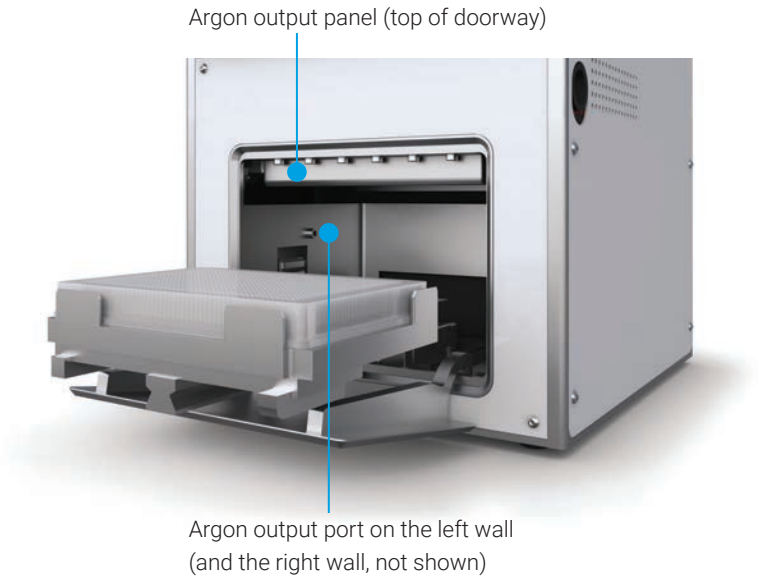
In addition to the standard PlateLoc sealer, other PlateLoc options are available to meet diverse requirements.

Gas purging option

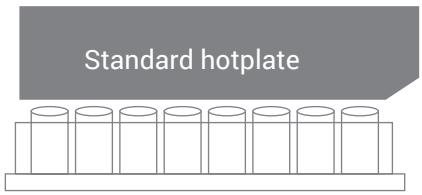
The Agilent gas-purging PlateLoc for compound storage uses an inert gas, such as argon, to displace air containing moisture and oxygen in the plate immediately before the sealing begins. The plate contents can be protected from hydration and oxidation for up to 24 hours.

Small hotplate sealer option

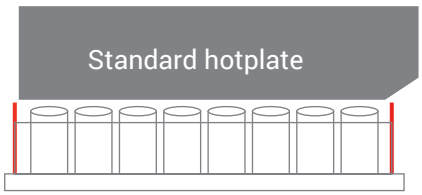
The small hotplate PlateLoc sealer is equipped with a smaller hotplate to flawlessly seal microplates with a raised rim.



Some common plate surface topographies

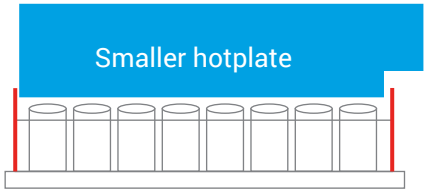


1. Chimneys (sample well rims) are the highest point on the plate.



2. Raised perimeter rim and the chimneys are the same height.

3. Raised perimeter rim and the rim is taller than the chimneys.



4. Small hotplate required for taller perimeter rim, with shorter chimneys.

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Asia Pacific
inquiry_lsca@agilent.com

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