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 stand-alone 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**: with ±2 °C sealing temperature control; seal integrity remains the same for every microplate.

**Fast**: short cycle times, with no required cool down periods for rapid microplate sealing.

**Flexible**: automatic adjustments and different plate inserts accommodate a wide range of microplates and tube racks.

**Compatible microplates**
- Standard microplates in 96-, 384-, and 1,536-well formats (deep well and PCR microplates).
- Plate support inserts are 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.

![Figure 1. Agilent Gas-Purging PlateLoc Sealer for compound storage.](image-url)
Flexible Options to Match Your Needs

In addition to the standard PlateLoc sealer, a number of PlateLoc options are available to meet the diverse requirements.

**Gas purging option**

The gas-purging PlateLoc sealer 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 hot plate sealer option**

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

**Common applications:**
- Compound storage
- Screening
- PCR/qPCR/NGS

**Figure 2.** Chimneys (sample well rims) are the highest point on the plate.

**Figure 3.** Raised perimeter rim and the chimneys are the same height.

**Figure 4.** Small hot plate required for plates with a taller perimeter rim, and shorter chimneys.
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