

Axygen® PlateMax™ Semi-automated Plate Sealer

Precise temperature, timing, and pressure for consistent sealing

Axygen

A Corning Brand

Compact Footprint

The Axxygen PlateMax semi-automated plate sealer is ideal for the low to medium throughput laboratory that requires uniform and consistent sealing of microplates. Sealing parameters are set and displayed via the user-friendly control panel and the sealing operation is semi-automated to ensure consistent results.

Intuitive Layout

The PlateMax plate sealer control system features an intuitive layout with settings for all types of plates and sealing materials. The Mode button selects sealing time or temperature, and the control knob adjusts the setting.

Temperature can be precisely set in increments of 1.0°C and time in increments of 0.1 seconds. The PlateMax plate sealer has a power saving option that turns the heater off when not in use. For those labs that choose to turn this function off, you can have the PlateMax plate sealer ready to run all day.

- ▶ Accepts a wide range of microplates and heat seals
- ▶ User-friendly control system
- ▶ Large digital display shows all operating parameters
- ▶ Adjustable sealing temperature

Simple 3-step Operation

1. Set time and temperature.
2. Place a microplate in the open drawer.
3. Place a heat seal on top of the plate and press the Seal button.

Versatile and Convenient

The PlateMax plate sealer accepts a wide variety of plate types and heights. An aluminum adapter is used for PCR and standard assay plates. The motorized heated platen automatically adjusts for different plate heights and provides uniform pressure to ensure a quality seal. The platen incorporates a special non-stick coating. The side access door allows for easy cleaning.

Safe

The internal heating elements are situated inside the instrument casing, and an internal safety door prevents access to the heated area. In addition, the motorized drawer features safety switches. If a hand or object obstructs the closing drawer, the drawer motor will reverse. This feature protects both the user and the instrument.



Specifications

Dimensions (W x D x H)	6.75 x 12.75 x 14.25 in. (17.1 x 32.4 x 36.2 cm)
Weight	27 lbs. (12 kg)
Sealing temperature	Off, 100°C to 190°C (increments of 1.0°C)
Temperature accuracy	±1.0°C
Temperature uniformity	±1.0°C
Sealing time	0.5 to 10 sec. (increments of 0.1 sec.)
Compatible plate materials	▶ PP (Polypropylene) ▶ PS (Polystyrene)
Compatible plate types	▶ Standard assay plates ▶ Deep-well storage plates ▶ PCR plates: skirted, semi-skirted, non-skirted
Maximum plate height	1.77 in. (4.5 cm)
Compatible sealing film types	▶ Foil polypropylene laminate ▶ Clear polyester-polypropylene laminate ▶ Clear polymer ▶ Thin clear polymer ▶ Foil laminate ▶ Foil

PCR Plate Adapter

The versatile two-sided adapter provides support for both 96-well and 384-well PCR plates during sealing for optimal results. The adapter is compatible with most non-skirted, semi-skirted, and full skirted PCR plates.



PCR plate adapters



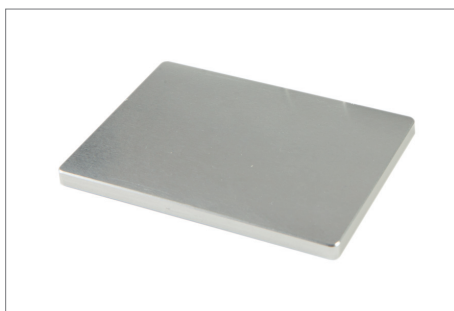
96-well side of PCR adapter



384-well side of PCR adapter

Assay and Storage Plate Adapter

This adapter is for flexible plates that need additional support.



Seal Frame

Due to the weight and nature of sealing films, they are prone to curling and movement with light disturbances. A seal frame is included with the Axygen® PlateMax™ plate sealer to hold films in place during the sealing process. The frame fits securely over the film on the microplate allowing you to seal it where you want it.



1. Place the plate in the drawer.



2. Place the seal on top of the plate.



3. Place the sealing frame on top of the seal.




4. Press Seal when the light is green.

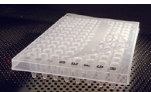
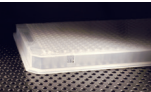
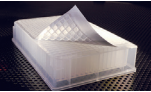
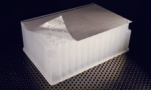
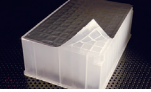
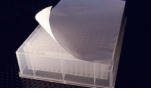
Ordering Information

Products may not be available in all markets.

Axygen® PlateMax™ Semi-automated Plate Sealer

	Cat. No.	Description	Qty/Cs
	HS-1120	PlateMax plate sealer, includes adapters for standard and deep well microplates, 120V	1
	HS-1230	PlateMax plate sealer, includes adapters for standard and deep well microplates, 230V	1

Accessories (sold separately)

	Cat. No.	Description	Qty/Pk	Qty/Cs
	HS-100-QPCR	PlateMax UltraClear permanent heat sealing film for qPCR	100	500
	HS-150-QPCR	PlateMax UltraClear peelable heat sealing film for qPCR	100	500
	HS-200	PlateMax peelable heat sealing film for low temperature compound storage and PCR	100	500
	HS-300	PlateMax pierceable aluminum heat sealing film for low temperature compound storage and PCR	100	500
	HS-400	PlateMax peelable heat sealing film for compound storage	100	500
	MF-300	PlateMax peelable heat sealing film with paper backing for general storage and PCR applications	100	100

Warranty/Disclaimer: Unless otherwise specified, all products are for research use or general laboratory use only.* Not intended for use in diagnostic or therapeutic procedures. Not for use in humans. These products are not intended to mitigate the presence of microorganisms on surfaces or in the environment, where such organisms can be deleterious to humans or the environment. Corning Life Sciences makes no claims regarding the performance of these products for clinical or diagnostic applications. *For a listing of US medical devices, regulatory classifications or specific information on claims, visit www.corning.com/resources.

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