

Axygen® PlateMax® Semi-automatic Plate Sealer

AXYGEN®

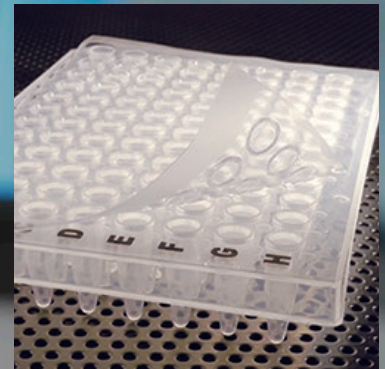
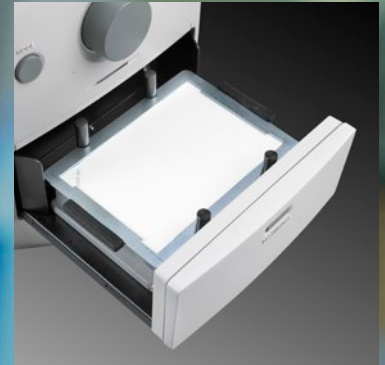
A Corning Brand

AXYGEN
Platemax
SEMI-AUTOMATIC PLATE SEALER

SEAL TEMP 165 °C SEAL TIME 5.0 min
STATUS READY

MODE

OFF



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

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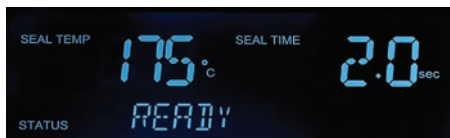
Compact Footprint

The Axygen PlateMax semi-automatic plate sealer is ideal for the low to medium throughput laboratory that requires uniform and consistent sealing of microplates. Offering complete versatility, the PlateMax sealer will accept a wide range of plates for PCR, assays, or storage. It can be used to seal a wide range of plate heights. Sealing parameters are set and displayed via the user-friendly control panel and the sealing operation is automated to ensure consistent results.

Controls and Operation

The PlateMax 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 knob adjusts the setting.

Temperature can be precisely set in increments of 1°C and time in increments of 0.1 seconds. The PlateMax has a power saving option that turns the heater off if not in use. For those labs that choose to turn this off, you can have the PlateMax ready to run all day.



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 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 PlateMax sealer has been designed with safety in mind. 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.

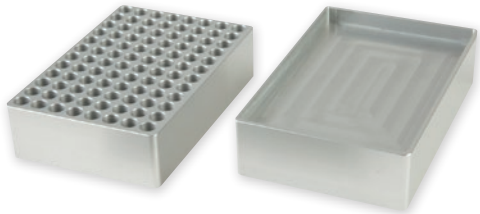
Specifications

Dimensions (W x D x H):	6.75 x 12.75 x 14.25 in. (171 x 324 x 362 mm)
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) PE (Polyethylene)
Compatible plate types:	Standard assay plates Deep-well storage plates PCR plates: skirted, semi-skirted, non-skirted
Maximum plate height:	45 mm
Compatible sealing film types:	Foil-polypropylene laminate Clear polyester-polypropylene laminate Clear polymer Thin clear polymer Foil-laminate Foil

Adapters and Frames

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.



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® 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. Open drawer and insert plate.



2. Place sealing film on plate.






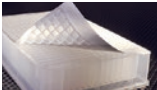


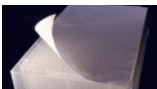
3. Place seal frame on sealing film.



4. Seal.

Ordering Information

Axygen® PlateMax® Semi-automatic Plate Sealer

	Cat No.	Description	Qty/Unit	Units/Cs
	HS-1120	PlateMax semi-automatic plate sealer, 120V, includes adapters for standard and deep-well microplates	–	1
	HS-1230	PlateMax semi-automatic plate sealer, 230V, includes adapters for standard and deep-well microplates	–	1
	HS-100-QPCR	PlateMax UltraClear permanent heat sealing film for qPCR	100	5
	HS-150-QPCR	PlateMax UltraClear peelable heat sealing film for qPCR	100	5
	HS-200	PlateMax peelable heat sealing film for low temperature compound storage and PCR	100	5
	HS-300	PlateMax pierceable heat sealing film for low temperature compound storage and PCR	100	5
	HS-400	PlateMax peelable heat sealing film for compound storage	100	5
	MF-300	PlateMax peelable heat sealing film with paper backing for general storage and PCR applications	100	1

For more specific information on claims, visit the Certificates page at www.corning.com/lifesciences.

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