

SealBio-2

Semi Automated Plate Sealer

Product Introduction

SealBio-2 Plate Sealer is a semi-automatic thermal sealer which is ideal for the low to medium throughput laboratory that requires uniform and consistent sealing of micro-plates. Unlike manual plate sealer, the SealBio-2 produces repeatable plate seals. With variable temperature and time settings, sealing conditions are easily optimised to guarantee consistent result, eliminating sample loss. The SealBio-2 can be applied in product quality control of many manufacture enterprises such as plastic film, food, medical, inspection institute, scholastic scientific research and teaching experiment. Offering complete versatility, the SealBio-2 will accept a full range of plates for PCR, assay or storage applications.

Features

Highlights

1. Format different micro well plates and heat seals
2. Adjustable Sealing Temperature: 80~200 °C
3. OLED screen, high light and no visual angle limit
4. Plate adapters allow use of PCR plate or virtually any ANSI microplate

Energy Saving Functions

1. When the SealBio-2 is left idle more than 60 min, it will automatically switch into stand-by mode during when the temperature of the heating element will be reduced to 60 °C to save energy
2. When the SealBio-2 is left idle more than 120 min, it will switch off automatically for safe. It will switch off the display and the heating element. then, the user can awaken the machine by pushing any button

Controls

Sealing time and temperature can be set by using the control knob. OLED display screen, high light and no visual angle limit.

1. Sealing time and temperature
2. Sealing pressure can be adjustable
3. Automatic counting function

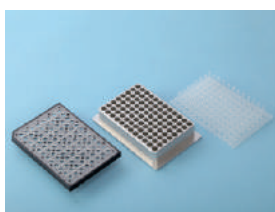
Security

1. If a hand or objects stuck in the drawer when it's moving, the drawer motor will automatically reverse. This feature prevents injury to the user and the unit
2. Special and smart design on the drawer, it can be detached from the main device. So user can maintain or clean the heating element easily



01
SBA-1

Standard plate adapter



02
SBA-2

96-well PCR plate adapter



03
SBA-3

Weighted seal platen



Operation Steps



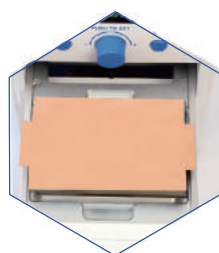
Step1
Pull the drawer



Step2
Put the adapter plate



Step3-1
Put a sealing film



Step3-2
Put the weighted seal platen if the film is curly



Step4
Press "RUN"

Remark: when using the weighted seal platen, the recommended sealing time should be increased by 1 second!

Specification

Display	OLED
Sealing temperature	80~200 °C (increment 1.0 °C)
Temperature accuracy	±1.0 °C
Temperature uniformity	±1.0 °C
Sealing time	0.5~10 s (increment 0.1 s)
Seal plate heights	9 to 48 mm
Input power	300 W
Dimension (D×W×H) mm	370×178×330 mm
Weight	9.6 kg
Compatible plate materials	PP (Polypropylene), PS (Polystyrene), PE (Polyethylene)
Compatible plate types	SBS standard plates, deep-well plates, PCR plates (skirted, semi-skirted and no-skirted formats)
Heating sealing films & foils	Foil-polypropylene laminate, clear polyester-polypropylene laminate, clear polymer, thin clear polymer

Ordering Information

Code	Description
AS-15020-00	SealBio-2 AC 220 V or AC 120 V, 50 / 60 Hz, 300 W
AS-15021-01	SBA-1 standard plate adapter
AS-15021-02	SBA-2 96-well PCR plate adapter
AS-15021-03	SBA-3 weighted sealing platen
AS-15021-11	Seal-150 peelable clear Seal
AS-15021-12	Seal-200 peelable Seal for storage
AS-15021-13	Seal-300 pierce aluminum heating sealing film