

# 05 SealBio-2 Semi Automated Plate Sealer

## Description

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 60min, it will automatically switch into stand-by mode during when the temperature of the heating element is reduced to 60°C to save energy
2. When the SealBio-2 is left idle more than 120min, 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.

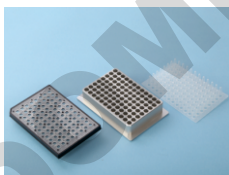
1. Sealing time and temperature
2. Sealing pressure can be adjustable
3. Automatic counting function

### ■ 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



## Easy to use



Step.1 Pull the drawer



Step.2 Put the adapter plate



Step.3-1 Put a sealing film



Step.3-2 Put the weighted seal platen if the film is curly



Step.4 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                  | 0.5~10s (increment 0.1s)   |
| Seal plate heights            | 9 to 48mm  |
| Input Power                   | 300W   |
| Dimension (D x W x H)mm       | 370 × 178 × 330  |
| Weight                        | 9.6kg  |
| 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

| No. | Code        | Description                                   |
|-----|-------------|---|
| 01  | AS-15020-00 | SealBio-2 AC220V or AC120V, 50/60Hz, 300W     |
| 02  | AS-15021-01 | SBA-1 Standard plate adapter                  |
| 03  | AS-15021-02 | SBA-2 96-well PCR plate adapter               |
| 04  | AS-15021-03 | SBA-3 Weighted sealing platen                 |
| 05  | AS-15021-11 | Seal-150 Peelable clear Seal                  |
| 06  | AS-15021-12 | Seal-200 Peelable Seal for storage            |
| 07  | AS-15021-13 | Seal-300 Pierce Aluminum heating sealing film |