

Instruction Manual

Uses and Features

This machine is used for melting and constant temperature preservation of agar duplicating materials. This model is fully automatically controlled, simple to operate, and has advantages like fast melting speed.

Specifications and Technical Parameters

Voltage: 110V 50Hz/220V 60Hz

Rated Power: 1300W

Heating Power: 1200W

Capacity: 11L

Main Advantages

This machine uses a touch screen for simple and convenient programming. It is intelligently controlled throughout the entire process without need for human intervention. It has fast melting speed, small temperature fluctuations, and no residue when loading materials.

Operating Steps

<https://vimeo.com/915404190>

Cut the agar into blocks no larger than 2cm and load them into the pot. Overly large agar blocks can lead to incomplete melting.

Connect the power using the included power cord and turn on the power switch. The control screen will light up.

Press "Start" on the interface and the machine will begin operation.

No human intervention is needed throughout the entire process. When the agar melts to the usage temperature, the buzzer will sound indicating the temperature is stable.

During agar melting, press "Stir Stop" to stop stirring, allowing convenient addition of agar.

You can set a time so that before leaving work, put agar blocks into the pot, turn on the power switch without pressing Start, and it will automatically run at the set time. Remember, when automatic start is not needed the next day, turn off the power switch!

If there is a sudden power outage during the cooling process, after turning the power back on, press "Continue" and the program will resume from where it stopped rather than starting over from the beginning, saving time.

Machine Operation Steps: Begin heating → Start stirring → Reach set temperature → Fan starts cooling → Reach constant temperature → Buzzer sounds → Maintain constant temperature.

When the agar in the pot is used up, press Stop and turn off the power switch.

The display screen will automatically sleep after 10 minutes of no operation, but the program keeps running. Touch the screen to wake it up.

Interface Instructions



All set values can be directly clicked to bring up a dialog box for entering the desired value, then press "Enter" to complete setting.

- **Stirring Temperature:** This is the temperature at which stirring automatically starts. Below this temperature there is no stirring. Once heating reaches this temperature, stirring automatically begins. Factory default is 25° C.
- **Heating Temperature:** This is the maximum heating temperature. Upon reaching this temperature heating stops and the cooling process begins. If there are still unmelted agar chunks when the usage temperature is reached, slightly increase this value. Factory default is 90° C.
- **Constant Temperature:** This is the usage temperature. After the program finishes, the agar temperature will be maintained at this value. It can be adjusted according to actual usage needs. Factory default is 50° C.
- **Stirring On Time and Stirring Off Time:** Stirring can be intermittent to protect the motor and extend its life. Stirring On Time is the motor rotation duration. Stirring Off Time is the motor stopped duration. These values can be adjusted according to actual usage. Factory default is 4 minutes On and 1 minute Off.
- **Buzzer Duration:** This sets the buzzer sound duration. Adjust as needed.
- **Timed Start Setting:** This is the time when timed start will begin. It can be set according to actual usage. With the power on, if Start is not pressed, the machine will automatically start the program at this set time. This allows loading agar blocks and leaving the power on when leaving work the previous day, and the program will automatically run the next day at the set time.

Note, when automatic start is not needed the next day, the power switch **MUST** be turned off, otherwise it will auto heat when the set time is reached!

If there is remaining agar in the pot, cut it into small blocks before re-heating and stirring!