

Large Capacity Laboratory Use Sterilizer

SQL810C/1010C

Operating temp. range 45°C to 135°C

Max. operating pressure 0.26 MPa

Internal capacity 85L (SQL810C) / 110L (SQL1010C)

High-performance, easy operation and ergonomically designed sterilizer featuring easy top loading and handling of samples



85L
SQL810C

110L
SQL1010C

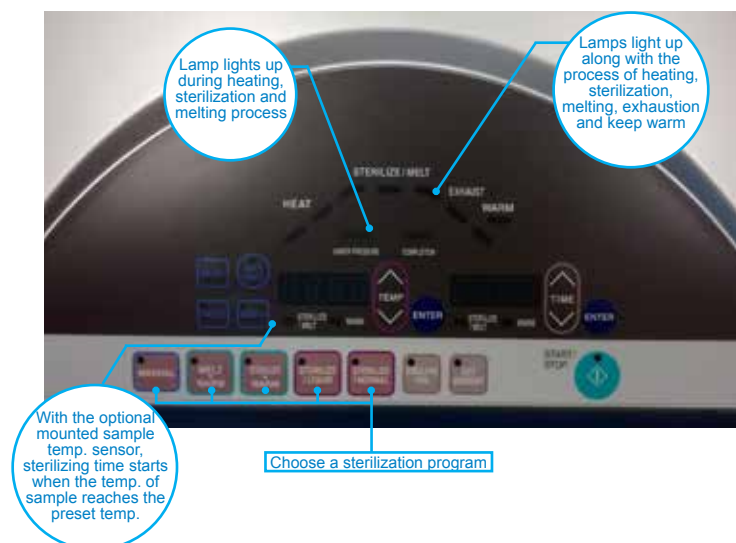
- Maximum sterilizing temperature goes up to 135°C suitable for protein modification
- By simple setting and operation, these sterilizers manage ordinary sterilization, sterilization of culture mediums and liquids, and melting of culture mediums
- Custom programs can be saved for repeated use
- Standard equipped with timer start and preheating features for efficient use of time and cooling fan to shorten cool down time
- Mobile on wheels
- Enhanced safety device
 - Lid interlock mechanism
 - Drain bottle unset alarm
 - Memory malfunction
 - Automatic shutdown when malfunction
 - Self-diagnostic functions

Specifications

Model	SQL810C	SQL1010C
System	Automatic high-pressure steam sterilization	
Operating temperature range	45 ~135°C 45 ~80°C (pre-heating) / 45 ~ 60°C (heat retention) / 65 ~100°C (melting) / 105 ~135°C (sterilization)	
Max. working pressure	0.255 MPa	
Lid (cover mechanism)	Manual upward opening with an interlock for safety	
Heater	2000W x 2 pcs.	
Exhaust valve	One exhaust valve and one slow release valve	
Option port	For sample sensor (1/4), recorder (1/4) and connection to pressure gauge (branched from the electromagnetic exhaust duct)	
Cooling fan	Axial fan motor	
Temp. controller	PID control by microprocessor	
Temp. display / setting	Digital display / digital setting by ▲/▼ keys	
Timer / Timer resolution	0 or 1 min. to 99 hrs 59 min. / 1 minute	
Operation mode	Instrument sterilization course, liquid sterilization course, sterilization and keep warm course, melting and keep warm course, customer-programmed course	
Other functions	Key locking, presetting, saving, preheating, forced cooling, sample temperature sensor (option), pattern locking, up to 20 error log saving, display of accumulated working time / present time, ON-OFF beeping setting	
Safety device	Sensor failure detection, SSR short-circuit, broken heater wire, prevention of idle heating (liquid expansion type), alarm against the absence of a drain bottle, failure in locking the lid, memory error detection, pressure relief valve (0.255 MPa)	
External dimensions (WxDxH)*	680 x 760 x 997 mm	680 x 760 x 1154 mm
Internal dimensions of chamber	I.D.450 x D535 mm	I.D.450 x 692 mm
Internal capacity	85L	110L
Weight	~145kg	~170kg
Power source	AC220V 19A no plug, round terminal	
Included accessories	2 pcs. stainless steel mesh basket (Dia.424 x H200 mm) Vapor cup x 1, Drain bottle x 1, Drain board x 1, Filter x 1	3 pcs. stainless steel mesh basket (Dia.424 x H200 mm)

* External dimensions exclude protrusions

Control panel



Sterilize/Normal Course	Sterilization of equipment such as flask, beaker, test tube, scissors
Sterilize/Liquid Course	Sterilization of culture and reagents and keep warm
Sterilize Warm Course	Dissolve and keep warm of the agar medium
Melt Warm Course	Sterilization of liquid, purified water and dilution water
Manual Course	Customized temperature and time settings

Optional item

Mesh basket



Product code	Description
H060601028	Mesh basket $\Phi 424 \times H200$