












# Thermo Shaker Incubator

## LTSI-A11

## Thermo Shaker Incubator LTSI-A11

LTSI-A11 is a safe, reliable, maintenance free Thermo Shaker Incubator that integrates mixing, shaking and heating function. Designed to meet the needs of different users, it is equipped with microprocessor controlled incubator and brushless DC motor. Along With built-in temperature calibration function and multiple security function, it is equipped with function of vortexing all kinds of tubes and offers precise control of the shaking speed.

### Features

-  Microprocessor controlled incubator
-  Brushless DC motor
-  Programmable, proficient shaking and temperature control
-  Built-in temperature calibration function
-  Multiple security function
-  Various blocks available that are convenient to replace
-  Comply with CE safety standards
-  Safe and reliable to use
-  Maintenance free

### Applications

Thermo Shaker Incubator is suitable for incubation and cultivation of biological and chemical components, re-suspending pellets, denaturing of nucleic acids and proteins, PCR preparations, ELISA assays, colorimetric assays, enzyme and protein analysis in microbiology, cellular and molecular biology, immunology and biotechnology.

## Specifications

Model no.	LTSI-A11
Shaking Speed	300 - 2000 rpm
Shaking Orbit	3 mm
Vortex Shaking Speed	None
Temperature Range	RT. +5 °C - 100 °C
Shaking Motion	Horizontal
Timing Range	1 min - 99 hr. 59 min
Heating time	< 15 min (from 20 °C - 100 °C)
Heating Platform Temperature Accuracy	< 0.5 °C (detect at 37 °C)
Block Temperature Uniformity	$\leq \pm 0.3$ °C
Temperature Stability	$\pm 0.3$ °C
Temperature Display Accuracy	0.1 °C
Power	200 W
Power supply	AC 220 - 110 V/ 50 - 60 Hz
Dimension	270 x 196 x 170 mm
Net Weight	8.2 kg

## Specifications

Block	Description	Max. Temperature
LTSI-H01	96 X 0.2 ml PCR plate	100 °C
LTSI-H02	54 x 0.5 ml	100 °C
LTSI-H03	35 x 1.5 ml	100 °C
LTSI-H04	35 x 2.0 ml	100 °C
LTSI-H05	20 x 0.5 ml + 15 x 1.5 ml	100 °C
LTSI-H06	24 x ≤ ϕ 12 mm	100 °C
LTSI-H07	32 x 0.2 ml + 25 x 1.5 ml	100 °C
LTSI-H08	32 x 0.2 ml + 10 x 0.5 ml + 15 x 1.5 ml	100 °C
LTSI-H09	103 x 67 x 30 mm (water bath block)	100 °C
LTSI-H10	96 x 0.2 ml plate (flat bottom)	100 °C
LTSI-H11	24 x 5 ml (max. speed to 600 rpm)	100 °C
LTSI-H12	12 x 15 ml (max. speed to 600 rpm)	100 °C
LTSI-H13	6 x 50 ml (max. speed to 600 rpm)	100 °C
LTSI-H14	Customized	100 °C
MIX-A	96 x 0.2 ml tube stand	100 °C
MIX-B	24 x 0.5 ml tube stand	100 °C
MIX-C	24 x 1.5/2.0 ml tube stand	100 °C