Autoclaves for Laboratory use

**Autoclaves for Medical use**

**MLS-3751/3751L**
**MLS-3781/3781L**

- Compact design doesn't take up space.
- Voice guidance function for increased safety.
- **DISTRIBUTED BY:**

**http://panasonic.net/healthcare/biomedical/**

**Sterilization & Drying**

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**Specifications**

<table>
<thead>
<tr>
<th>Power supply</th>
<th>MLS-3751L</th>
<th>MLS-3781L</th>
<th>MLS-3751L</th>
<th>MLS-3781L</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage</td>
<td>220V single phase, (50Hz-60Hz) 18.3A or above</td>
<td>230V single phase, (50Hz-60Hz) 8.7A or above</td>
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</tbody>
</table>

- **Environment dimensions (W x D x H)**
  - 450 x 450 x 965 (mm) / 18 x 18 x 38 (inch)
  - 450 x 683 x 688 (mm) / 18 x 27 x 27 (inch)

- **Weight**
  - 66 (2.6) kg (MLS-3751L)
  - 71 (2.8) kg (MLS-3781L)

- **Design features**
  - Microcomputer control
  - Voice guidance function
  - Easy-to-hold single handle
  - Waste materials can be loaded from the top
  - Easy-to-hold single handle
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- **Dimensions**
  - 965 (38.0) x 610 (24.0) x 890 (35.0) (mm) / 38.0 x 24.0 x 35.0 (inch)
  - 1230 (48.4) x 632 (24.9) x 965 (38.0) (mm) / 48.4 x 24.9 x 38.0 (inch)

- **Exhaust control**
  - Electronic exhaust control
  - Exhaust control
  - Exhaust control
  - Exhaust control
  - Exhaust control

- **Exhaust tank**
  - Pressure safety valve
  - Over-temperature limiter
  - Anti-scorch limiter
  - Door interlock
  - Over-pressure limiter
  - Current fuse

- **Optional accessories**
  - Printer: MLS-3751-PE (with 1 roll of paper)
  - Object temperature sensor: MLS-3781-PE

- **Process operation**
  - Operating time: 1-300 minutes
  - Operating conditions: 121˚C (Sterilizing temperature), 20 minutes (Sterilizing time)

- **Voltage specification by destination**
  - Europe: 220V, 50Hz
  - Singapore, Korea: 220V, 60Hz
  - 230V, 50Hz (CE)
  - 120V single phase, (50Hz–60Hz) 15.8A or above
  - 230V single phase, (50Hz–60Hz) 8.7A or above
  - 220V single phase, (50Hz–60Hz) 9.1A or above

- **Chamber material**
  - SUS304 (Austenitic stainless steel)

- **Effective capacity**
  - 463mm (18.2inch)

- **Chamber dimensions (diameter x depth)**
  - ø13.2 x 11.8 (inch)
  - ø335 x 220 (mm)

- **Weight of chamber material**
  - 64 (2.6) kg (MLS-3751L)
  - 70 (2.8) kg (MLS-3781L)

- **Certified Quality Management System**
  - ISO 9001, JIS Q 9001
  - ISO 13485, EN ISO 13485

- **Exhaust valve open temperature setting**
  - 150˚C (max.)

- **Maximum pressure**
  - 0.240MPa [34.8psi]

- **Operating temperature**
  - 25°C ± 10°C

- **Operating time**
  - 1 minute to 300 minutes

- **Pressure safety valve**
  - Pressure safety valve

- **Outdoor dimensions**
  - 420 (16.5) x 478 (18.8) x 632 (24.9) (mm) / 16.5 x 18.8 x 24.9 (inch)

- **Integrated function**
  - Stacks two tube racks (SS18-50)
  - Stores four 1-liter flasks

- **Function**
  - Easy-to-hold single handle

- **Certified Quality Management System**
  - ISO 13485 and Quality management system ISO9001.

- **Attained Medical device quality management system**
  - ISO 9001, JIS Q 9001

- **Features**
  - Microcomputer control
  - Voice guidance function

- **Appearance**
  - Microcomputer control
  - Voice guidance function

- **Language**
  - Microcomputer control
  - Voice guidance function

- **Options**
  - Microcomputer control
  - Voice guidance function

- **Applications**
  - Autoclaves for laboratory use
  - Autoclaves for medical use

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**Optional Accessories**

- Printer: MLS-3751-PE (with 1 roll of paper)
- Printer: MLS-3781-PE (with 1 roll of paper)

**Stainless Steel Baskets and Buckets**

**Dimensions**

**MLS-3751/3751L for medical applications**

**Certified Quality Management System**

- ISO 13485, EN ISO 13485
- JIS Q 9001

- **Certified Quality Management System**
  - ISO 9001, JIS Q 9001

- **ISO 9001, JIS Q 9001**

- **Models MLS-3751L and MLS-3781L (with “L” at the end of the model number) must not be used for medical applications.**

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Control panel (Illustration)

Incubation temp.: 45°C to 60°C.

Timer: 1 to 300 min.

Sterilizing temp.: 115°C to 135°C

solidifying.

valve. High temp. prevents automatically from the exhaust equipment that can withstand selected temp., air is expelled can be shortened. Suitable for reagents and other liquids, and sterilizing waste. After sterilizing culture media, 3 min.

100˚C

30 min.

121˚C

50°C

27 min.

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Melting temp.: 60°C to 114°C

Melting time, keep warm, exhaust temperature, exhaust rate)

Any of 4 courses can be selected according to the purpose of use, and 3 types of setting values can be stored for each course according to the usage.