

# Standard Operating Procedure

## Title: Depyrogenation Procedure of Glassware In Micro. Lab. Oven

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Test Tubes – Double Wrap with an Aluminium foil (maximum of 6 test tubes per packet).  
Can be loaded up to 12 packets (72 test tubes)

100ml vials – Load on to 430mx275mmx95mm covered stainless steel boxes: 40 (=5x8)  
vials upside down. Can be loaded up to 2 stainless steel boxes: (80 vials).

(Note: Total of 7 Paraffin Oil bottles can be loaded in addition to the Load indicated in  
Section 1.2. Paraffin Oil bottles can be loaded on any level (from 1 to 4), i.e. there is no  
need to load all items mentioned in Section 1.2 in one cycle.)

- 1.3. A Thermax D dry heat indicator 5L series (160-199 range) is to be included (Picture E) in each parcel either stuck to foil pack or attached to a piece of foil and placed inside the tin.

## 2. Depyrogenation of Glassware

- 2.1. The prepared equipment is placed in the oven allowing sufficient room for air to circulate freely around it. Close the door and fasten the clamp.
- 2.2. Set the control panel as indicated in Picture B (Range selector - set at 200 Thermostat set at 100)
- 2.3. Electronic circuit timer switch (Picture C) has been set to give six (6) hours of power. To start the Depyrogenation oven, press the GREEN button.  
  
This starts the 6-hour timer and switches the heater on. The heater stays on until the 6 hours have been completed. If required the timer and heater can be stopped/turned off by pressing the RED button.
- 2.4. Once the depyrogenation cycle is completed, the electronic circuit timer resets the program; therefore there is no need to switch the oven or the timer off.
- 2.5. Before using any of the depyrogenated glassware check that the Thermax dry heat indicator has changed colour and that a temperature of 182°C has been reached on the Indicator.
- 2.6. The entire depyrogenation cycle should be available to view and print.

## 3. Preparation of Paraffin Oil

Paraffin oil is used when conducting biochemical tests and as sterility controls when conducting direct inoculations.

- 3.1. Half fill clean 100mL bottles full of Paraffin Oil.
- 3.2. Cover the opening of the bottles with alfoil. The lids for the bottles are to be bagged and autoclaved for 20 minutes at 121°C.
- 3.3. Place the bottles in the Depyrogenation Oven and follow steps 2.2 to 2.6.
- 3.4. After the cycle is completed, exchange the alfoil for the autoclaved lids. This should be done under the laminar flow using aseptic technique.
- 3.5. Paraffin oil is given a 12 month expiry date from the date of depyrogenation.