

Revision ----	Document Code WI- ML- 6412	Standard Operating Procedure (SOP) for Pars 3-Button Freezer	 دانشگاه علوم پزشکی و خدمات بهداشتی و درمانی آستان قدس عراق
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Operating and Maintenance Instructions: Pars Freezer (3-Button Model)

1. Purpose

To provide clear guidelines for the operation, maintenance, and temperature adjustment of the Iranian-made Pars 3-button freezer.

2. Scope of Application: This freezer is designed for the storage of materials at temperatures down to -24°C .

3. Responsibility: The laboratory experts are responsible for the proper implementation of these procedures.

4. Operating Instructions

- **1. Temperature Adjustment (Button 1):**
- Press and hold Button 1 for three seconds until the display flashes, showing the current temperature setting.
- Each subsequent press decreases the temperature by 1°C .
- The temperature range cycles from -24°C back to -16°C and repeats.
- **2. Super Mode & Alarm Mute (Button 2):**
- **Super Mode:** Press and hold Button 2 for two seconds to activate Super Mode. The compressor will run continuously for 24 hours, and the yellow indicator (No. 6) will turn on.
- **Exit Super Mode:** Press and hold Button 2 for two seconds to exit this mode.
- **Alarm Mute:** In the event of an alarm sounding, press Button 2 once to mute it.
- **3. Power ON/OFF (Button 3):**
- Press and hold Button 3 for two seconds to turn the device off (the display will go blank).
- To turn the device back on, press and hold Button 3 for two seconds.

5. Safety Precautions

- **Voltage Protection:** Always use a surge protector/voltage regulator for the device.
- **Moisture Safety:** Do not open the door or handle stored items with wet hands.

6. Maintenance Guidelines

- **Power Protection:** Ensure the device is connected to a reliable voltage surge protector.
- **Placement:** Maintain proper distance from walls for adequate ventilation. Do not place the freezer near heat sources such as stoves or water heaters.
- **Loading:** Arrange materials to ensure optimal air circulation inside the freezer.
- **Door Usage:** Minimize the frequency and duration of door openings to maintain stable internal temperatures.
- **Cleaning:** Regularly clean the interior compartment and the motor unit.
- **Inspection:** Periodically check the exterior body and the door gasket (seal) for integrity and proper closure.

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