

Revision ----	Document Code WI- ML- 6415	Standard Operating Procedure (SOP) for Microcentrifuge Operation	 دانشگاه علوم پزشکی و خدمات بهداشتی و درمانی استان تهران دانشکده پزشکی
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1. Purpose

To describe the operation of the mini centrifuge (Micro Spin), Kia Gene model MSV2, manufactured in Iran.

2. Scope of Operation

Centrifugation of low-volume samples in laboratory micro tubes.

3. Responsibility

The implementation of this procedure is the responsibility of the relevant laboratory experts.

4. Procedure

1. First, ensure that the device is properly connected to the power outlet.
2. Then turn the power switch of the device to the **ON** position.
3. Balance the samples and place them in their designated positions.
4. Press the **Spin** button to start the device.
5. After the device has finished operating, press the **Power** button to turn it off.

Compatible Microtubes for the Micro Spin Device

- 1.5 mL, 0.5 mL, and 0.2 mL microtubes
- 8-strip 0.2 mL microtube strips

Speed of the Mini Centrifuge

The device has a speed of **3000 RPM (revolutions per minute)** and can be used in both **continuous** and **spin** modes.

5. Safety Instructions for Using the Device

- The device must **not** be used for centrifuging samples for extended periods.
- Since the device does not have a safety lid, it is essential to ensure that the microtubes are properly balanced to prevent splashing and contamination.

6. Maintenance Instructions

- Turn off the device after use.
- Since the device is designed for emergency centrifugation purposes, avoid prolonged centrifugation to prevent damage to the device.
- Always balance the microtubes during operation.

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شماره صفحه: ۱ از ۲	تاریخ و امضاء:	تاریخ و امضاء:	تاریخ و امضاء: