

Quick reference guide for the microwave digesting system

NOTE: this guide is not a replacement of the SOP; it only provides some important reminders for trained users.

Caution:

- Make sure the ventilation system is on before use and switch it off after use. (fig.1)
- Empty running is strictly prohibited.
- Bio- samples should be pre-digested. Digest samples in open vessels for 20 to 30 minutes at 120°C using the pre-digesting system (fig.2).

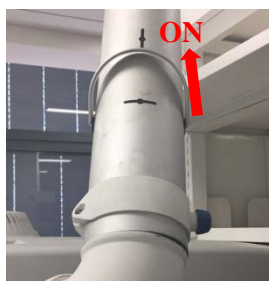


Fig.1 Ventilation system

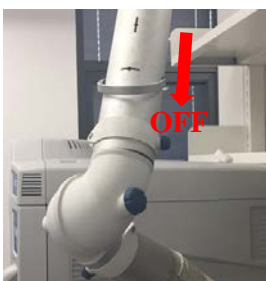


Fig.2 Pre-digesting system

- HClO₄, organic reagent, pure glycerin, toxic, flammable and explosive materials are not allowed to be used in this machine.
- Load the filled vessels symmetrically in the machine. All vessels must be filled with same kind of solid and reagent with same weight.

How to decide the power?

Number of vessels used	8-16	17-24	25-32	33-40
Power /W	1000	1200	1400	1600

How to distribute the vessels?

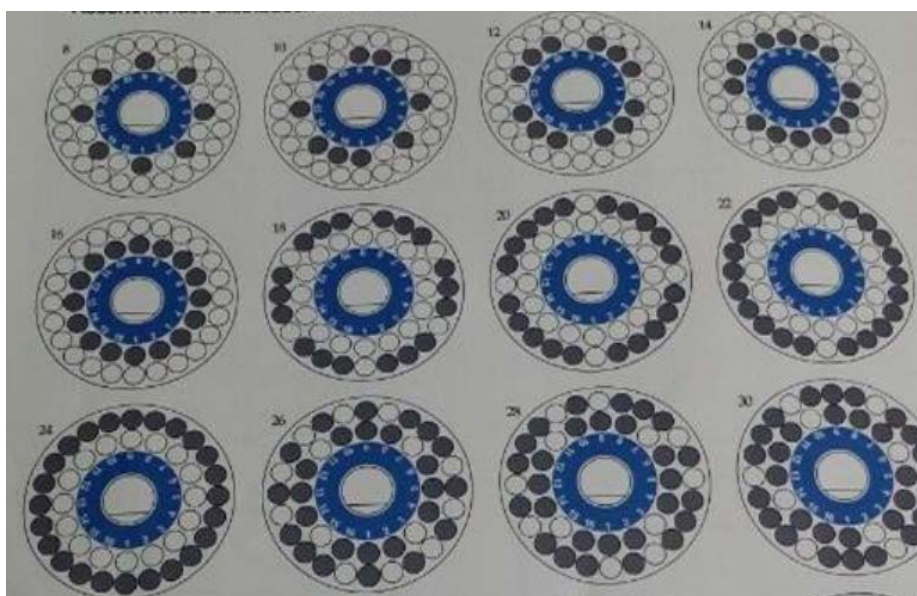


Fig.3 Vessels distribution