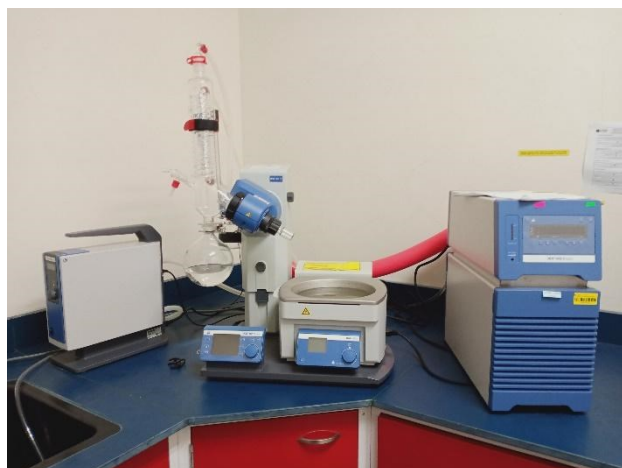


CHILLED ROTARY EVAPORATOR



Descriptions

A rotary evaporator (sometimes abbreviated to rotavap) is a piece of equipment primarily used to remove solvent from a sample through “evaporation under reduced pressure”. The presence of reduced pressure in the apparatus causes the solvent (in the round bottom flask) to boil at a lower temperature than normal. Note, rotating the round bottom flask increases the liquid’s surface area and thus the rate of evaporation. The solvent vapor travels into the cooler water condenser, where it condenses and drips into a separate receiving flask. This process is how the solvent is removed, therefore leaving a concentrated compound in the original round bottom flask.

Further Information

- Dr. Zaidah Rahmat
- E-mail : zaidahrahmat@utm.my

Brand-Model

IKA

Basic Specifications

- New: 4L heating bath
- Universal water/oil heating bath
- Vertical Glassware
- Motorized lift with “safety-stop” function
- RS 232 and IR Interface
- Optimized heating bath volume for fast heat-up
- Highly efficient 1500 cm² condenser unit

Equipment Website (Manufacturer)

<https://www.ika.com>

Types of samples

Bulk /solid/ powder /extract/ liquid

Location

Analytical Service Lab
(T02, 03-102-01)

Operator

- Mrs Norsyuhada Binti Jaafar
- E-mail : norsyuhada@utm.my