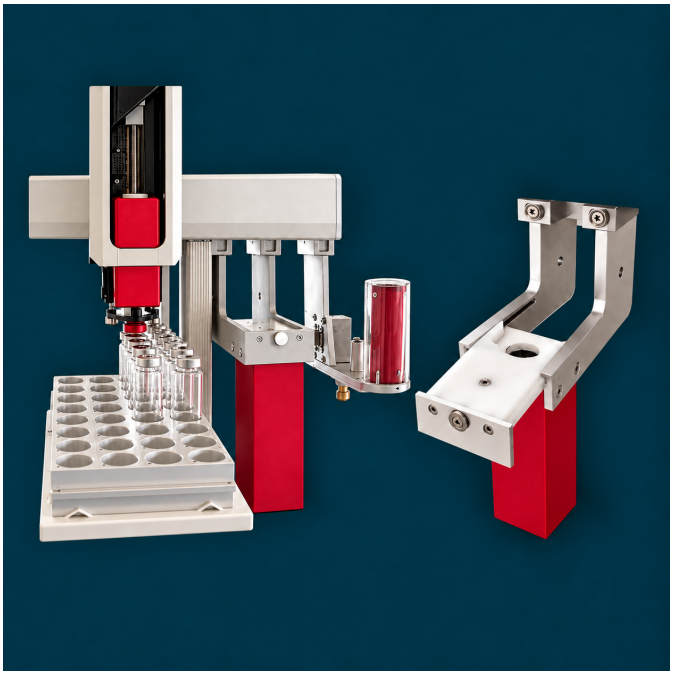
# Single Magnet Mixer

## PAL3 option for automated stirring and temperature control

The Single Magnet Mixer (SMM) adds magnetic stirring and controlled sample temperature to PAL3 RTC and RSI.



SMM on the PAL sampler

## CONCEPT

A small magnetic stir bar mixes the sample in the vial. PAL3 and any PAL control software control heating and the stepper-motor-driven stirring system.

A PAL3 option for RTC and RSI from CTC Analytics. Also available for older PAL systems of the PAL classic generation.

## AUTOMATED WORKFLOW

- **Sample**
  PAL transports the vessel
- **Mixing**
  Magnetic stirring rod moves the sample
- **Temperature control**
  Heating or optionally cooling
- **Extraction**
  SPME, SPDE or Headspace

## YOUR BENEFITS

**Gentle extraction**

Stirring spares immersed SPME fibers, since the sample vessel does not have to be moved.

**Flexible methods**

For SPME, SPME Arrow, SPDE, Headspace and Derivatisation.

**Controlled stirring**

The speed and direction of rotation can be selected; alternating directions of rotation can be adjusted.

## TECHNICAL DATA

| |
|---|
| Stirring speed 250 to 750 rpm |
| Standard heating up to 150 °C |
| Peltier version Approximately 5 °C to 140 °C |
| Sample vessels 20 ml; inserts for 2 / 10 ml |
| Control PAL3 and any PAL control software |

Temperature limits depend on execution and operating conditions. Small magnetic stirring rods are required.

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