

# Smart Notes

Choosing the right water  
bath for your requirements

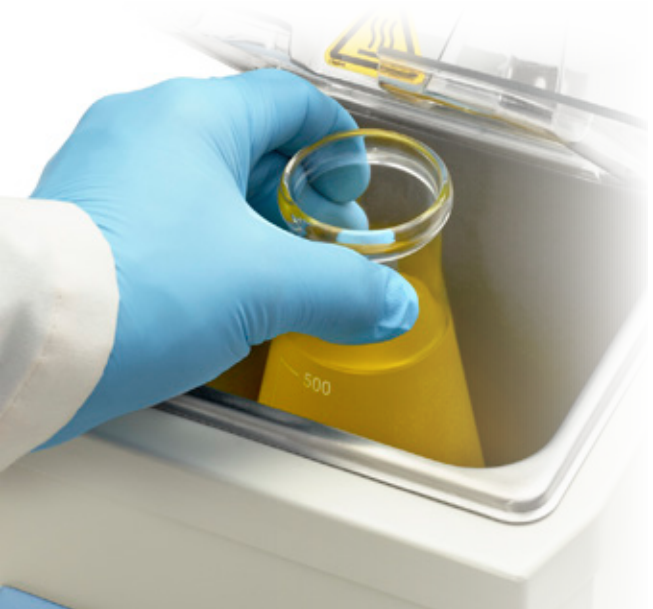


Q  
A

**I want to keep my samples at a temperature of 37 °C. Which type of water bath is ideal for this requirement: general purpose, circulating or shaking?**

General purpose, circulating and shaking heated water baths are all designed to keep samples at your desired temperature. So the ideal type of bath depends on whether your samples simply need to be thawed, require shaking to keep them emulsified, or require circulation to meet a uniformity requirement.

Water baths are used to process a large variety of samples in a number of applications, including chemical, biological and microbiological research, as well as in production laboratories of the food and pharmaceutical industries. Certain applications have specific requirements, whether it is temperature uniformity or sample uniformity. It is important to understand the unique requirements in order to select the ideal type of bath.



### Precision Redefined for Your Lab

#### General Purpose Water Baths

Precision general purpose water baths range between 2 and 28 liters to meet a variety of volume requirements. Operational components such as heaters and sensors are attached to the underside of the bath's chamber, allowing full use and easy cleaning of the entire bath area. Precision general purpose water baths are designed to be noise and maintenance-free.

#### Circulating Water Baths

Circulating water baths are designed to provide greater temperature uniformity, compared to general purpose water baths, for samples that require precise temperature control. Precision circulating water baths use an efficient heating element combined with a magnetically-coupled circulating pump, resulting in outstanding temperature uniformity.

#### Shaking Water Baths

Shaking water baths are designed to prevent separation through continual mixing, for outstanding sample uniformity. Precision shaking water baths feature next-generation shaker motor and pump, as well as presets for the oscillation speed for your convenience.



#### Summary

The new portfolio of Thermo Scientific™ Precision™ water baths are designed to help simplify workflows and maximize productivity, with features from intuitive graphical displays to audible timers and temperature presets. Precision baths also have global voltage for easy ordering.



**Visit [www.thermoscientific.com/precisionbaths](http://www.thermoscientific.com/precisionbaths) to learn more about the new generation of Thermo Scientific Precision water baths.**

[thermoscientific.com/precisionbaths](http://thermoscientific.com/precisionbaths)

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