



Protocol 1005

Waterbaths with ThermalTray™, CoolRack® and CoolSink®

INTRODUCTION

Water baths are commonly used to heat, thaw and incubate laboratory samples. Placing tubes and plates in direct contact with the water, however, can pose a serious threat of sample contamination. The following method describes how tube and plate samples can benefit from the water bath temperature without direct contact to the water.

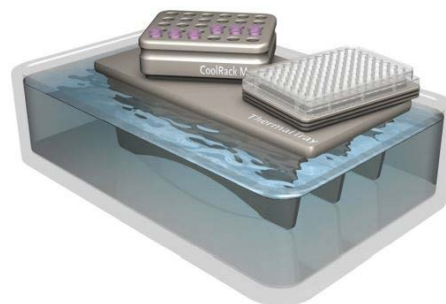
MATERIALS

- ThermalTray™ LP or ThermalTray™ HP platform
- CoolRack® tube module or CoolSink® plate module to fit sample vessel
- Water bath

HEATING, THAWING OR INCUBATING USING A COOLRACK OR COOLSINK MODULE

1. Place a thermo-conductive ThermalTray LP or HP platform into the water bath and allow it to equilibrate to the bath temperature. Ensure that the water level of the bath completely covers the legs of the ThermalTray platform. It is also fine if the ThermalTray platform is completely submerged.
2. Rest a CoolRack or CoolSink module on the ThermalTray and allow approximately 10-15 minutes for it to equilibrate to the temperature of the water bath. Ensure that the water level is below the CoolRack or CoolSink module to minimize the risk of sample contamination.
3. Place your tube or plate sample onto the CoolRack or CoolSink module.

Note: It might be necessary to increase the temperature of the water bath by one or two degrees to maintain the ThermalTray platform and CoolRack/CoolSink module at the desired temperature.



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