

# Ther-mix

It is no longer necessary to stand over your samples switching different mixing speeds and temperatures in your protocol, our Ther-mix heated mixer can do that all for you. When combined with our intuitive Heated Modules, the Ther-mix allows you to accurately mix and heat samples with ease. Create and store your own mixing profiles with multiple mixing and heating steps through the easy to use touch-screen.



## Features:

- 200 to 3000 RPM mixing
- Interchangeable Heated Modules support various sample tubes (see page 12)
- 3mm mixing orbit
- Capability to create & store your own mixing & heating profiles
- Intuitive touch-screen user interface
- Unique compact design



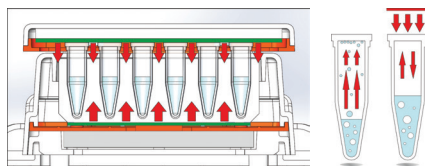
# Heated Module

Traditional incubation methods such as hot blocks and water baths are notoriously inaccurate and provide poor sample care. Optimise flexibility and performance with our range of interchangeable and intuitive Heated Modules. All modules are pre-calibrated with a built-in heated lid to provide direct consumable contact – a more efficient and accurate way of heating compared to just heating the air around the samples.



## Features:

- Temperature accuracy 0.1°C
- Temperature uniformity 0.5°C/1% of the target temperature
- Independent control of sample & lid temperatures to reduce condensation & evaporation
- Pre-calibrated to ensure highly accurate temperature control
- Modules designed for use with the Ther-mix or Flexi-therm
- Self-limited mixing speed & temperature for sample care & user safety



Viti Life Science Solutions can design bespoke Heated Modules based upon your requirements.

Our modules are available for the following vessel sizes:

Module	Description	Catalogue Numbers
HM01	24 x 0.5ml Microcentrifuge Tube	V104001
HM02	24 x 1.5ml Microcentrifuge Tube	V104002
HM03	24 x 2.0ml Microcentrifuge Tube	V104003
HM04	8 x 15ml Conical Tube	V104004
HM05	4 x 50ml Conical Tube	V104005
HM06	0.15ml 96 Well PCR Plate	V104006
HM07	0.25ml 96 Well PCR Plate	V104007
HM09	96 Well 0.2ml PCR Tube	V104009

	Ther-mix	Flexi-therm
		
Basic Application	Heat/mix	Heat
Instrument Temperature Range	Ambient to 99.9°C	Ambient to 99.9°C
Heating Lid Temperature Range	Ambient to 105°C	Ambient to 105°C
Temperature Uniformity	0.5°C	0.5°C
Instrument Maximum Heating Rate	4°C/min	4°C/min
Mixing Speed	200 to 3000 RPM	N/A
Program	Memory for 100 additional user programs	N/A
Power Supply	100 to 240 V	100 to 240 V
Size (mm) (WxDxH)	190x350x170 (without heated modules)	190x250x80 (without heated modules)
Weight	8 kg	1.7kg
Application	<ul style="list-style-type: none"> <li>ELISA</li> <li>Sample prep for PCR</li> <li>DNA isolation</li> <li>Enzymatic reactions</li> <li>Bacterial growth</li> <li>Lysis reactions</li> <li>Sample Incubation</li> </ul>	<ul style="list-style-type: none"> <li>Preheating of samples</li> <li>Thawing frozen samples</li> <li>Reactions requiring good thermal control</li> <li>Sample incubation</li> <li>Maintaining sample temperature after mixing with the Ther-Mix</li> </ul>

For technical specifications please visit: [www.vitlproducts.com](http://www.vitlproducts.com)