

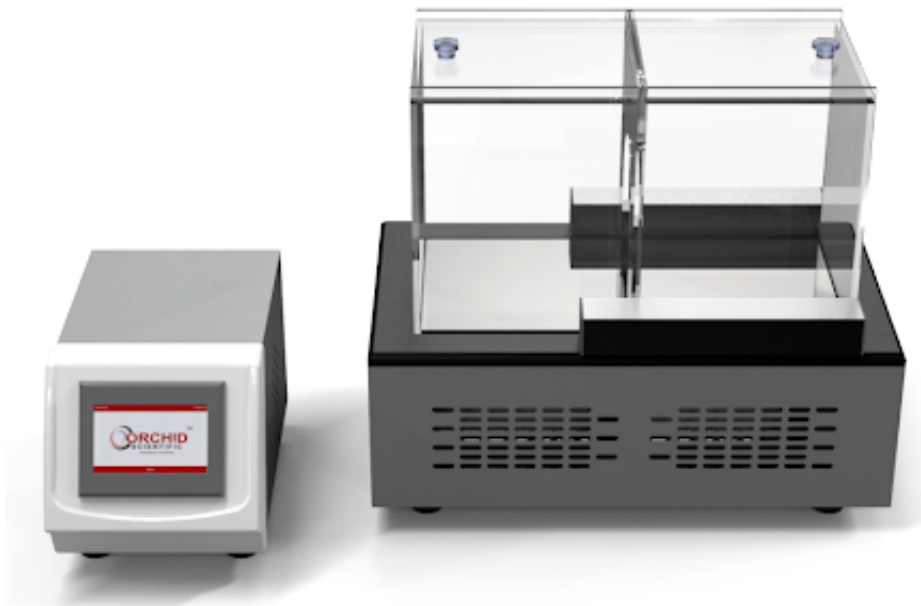
Thermal Place Preference

TO STUDY PAIN THRESHOLDS

Orchid's Thermal Place Preference Test is an operator-independent test to study pain thresholds in mice or rats by assessing an animal's temperature preference (comfort zone). It's a brand new tool for investigation in analgesia/nociception research. Thermal place preference apparatus consists of two plates, one hot-cold, and a second hot plate type. The animal has the choice to spend time on a plate of preferred temperature. The animal response can be visually observed by the user and marked manually or optional infra-red sensors can be used to measure the time spent in each zone. Further, a video can be recorded through the camera and then analyzed using All Maze Software (optional).



Designed To Study Pain Thresholds In Mice Or Rats By Assessing An Animal's Temperature Preference (Comfort Zone)



FEATURES:

- Easy to set up
- Touch screen display
- Two different temperature zones- Hot and Hot-Cold
- Operator-independent
- Operated on unrestrained, freely moving animals
- Cold Plate temperature can be held at a set point between -2°C to 60°C ($\pm 0.5^{\circ}\text{C}$)*, Hot plate temperature range from 5°C above ambient to 65°C
- The instrument has a provision to add max sequence numbers, auto experiment numbers, and animal sex.

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- Remote foot-switch controls the test start/stop allowing rapid Hands-free experiments
- A built-in timer activated by an external foot switch allows the precise measurement of the reaction time
- Cut off the timer to avoid damage to the animal
- PC Connectivity with software
- Software has provision to add titles, comment, and graphical presentation, and data can be converted into Excel or pdf

PARAMETERS MEASURED:

Time spent by animals in each zone
Temperature of each zone

PARAMETERS TO BE SET:

Temperature
Cut off time

ORDERING INFORMATION:

Model	Each Plate dimension (LxWxH)	Temperature range ° C	Reaction Time Seconds	Accessories included
TPP-01	180X180X06 (mm)	For Cold Plate: -2°C to 60°C (± 0.5° C),	Digital timer resolution of 0.1s	<ul style="list-style-type: none"> • Control panel • Main unit mounted with two plates • Acrylic enclosure • Pedal switch
		For Hot Plate: 5°C above ambient to 65° (± 0.5° C),		<p>Optional:</p> <ul style="list-style-type: none"> • Camera and All Maze software for the above

(Computer / Laptop & Printer to be arranged by user)

**Note: For achieving the extremes of the Cold mode temperature, the ambient temperature must be within the 17°C range of the set temperature*



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