



TEMPERATURE CONTROL FOR HEATING BLOCK

This VP 741 Heating Block is designed to operate between 21°C and 100°C. It has a 150 watt heating element that is controlled by a Series SD, Watlow microprocessor-based temperature control. The Series SD Users Manual is at Appendix A and contains detailed instructions for advanced operation. Basic temperature control is set to operate in the range from 21°C to 100°C. To set the desired temperature, simply press either the up or down arrows on the display to increase or decrease the temperature setting (bottom display). The Watlow Control is capable of more sophisticated control features such as ramping the temperature; We recommend you read the Series SD Users Manual for these advanced features.

For fastest heat transfer use water or oil in the heat block cavity. Although the Heat Block will be at the temperature on the display the actual temperature of specimens in the microplate wells will be 3°C to 5°C below this temperature depending upon how good of a heat transfer condition you provide. We recommend that you measure the temperature in your wells to determine your conditions and settings.