

Ladd Research
3 Ewing Place
Essex Junction, VT 05452
Tel: (802) 658-4961
Email: sales@laddresearch.com
Web: www.laddresearch.com



Thermoelectric Laboratory Cold Plate

Catalog Number: 11610

Operating Instructions

For optimum performance of this instrument please follow these instructions.

- For maximum heat transfer from the solution to the cold plate, use flat bottom glassware or accessories with very flat bottoms.
- Use approximately five drops of heat transfer fluid on the top plate to make an efficient heat transfer junction to the beaker.
- When using water cooling, maintain minimum water flow at about 1 liter per minute.
- Use the polyfoam jacket around the cooled beaker.
- The cold plate will reach a temperature approximately 40 degrees C below that of the heat exchanger, e.g. 10 degrees C tap water generates a -30 degree C cold plate. Beware of frostbite.
- Treat aluminum cooling blocks like beakers. Use heat transfer fluid for a good seal to the top plate, and the polyfoam jacket for insulation.
- The base plate of the cooling chamber should have the oil seal to the top plate for maximum efficiency.

If you have questions about the operation of the Stir-Kool, please write, email or telephone the company. Do not try to repair the instrument yourself, as the top plate assembly may be easily damaged.