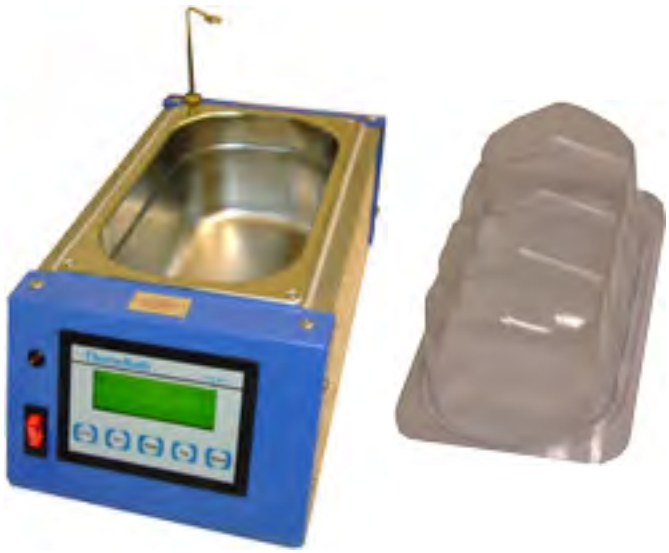
Laboratory Waterbath

663-1271 (70-130)

Important Safeguards:

- Please read all instructions.
- Oil is used to act as a protectant by providing a protective coating to the stainless steel. **Oil must be removed/cleaned prior to use.**
- Do not touch hot surfaces. Do not pick up when in use.
- To protect against electrical shock, do not immerse cord, plugs or unit in water or other liquid.
- Unplug unit when not in use and before cleaning. Allow unit to cool before proceeding.
- Do not operate unit with a damaged cord or plug, or if the appliance malfunctions or has been damaged in any manner. Return to Science First® for examination, repair or adjustment.
- Do not use outdoors.
- Do not let cord hang over edge of table or counter or touch hot surfaces.
- Do not place on or near a hot gas or electric burner, or in a heated over.
- Do not move appliance when filled with hot liquids.
- Do not use appliance for other than intended use.
- To disconnect, switch the unit "OFF", then remove plug from wall outlet.



Caution: Do not immerse in water

Maintenance:

- The fuse is accessible via the back panel fuse holder. **Unplug the waterbath before removing the fuse. To remove the fuse, open the black fuse holder, located just above the plug outlet and pull out to remove the fuse. Replace fuse if necessary.
- The water receptacle is not removable. Clean **often** with any suitable stainless steel cleaner. (We recommend **Science First® 29-0701** Stai-Clean 15 oz. aerosol spray stainless steel cleaner.)

Updated features:

- Digitally controlled temperature setting
- Temperature reads in Farenheit and Celsius
- Temperature range: 77°F to 176°F (25°C-80°C)
- Digitally controlled timer with automatic shut-off

Description:

The new and improved thermbath is now a **digitally** controlled warm-water bath. Use for any procedure where **medium heat** is required.

The therm bath is capable of heating from 77° F to 176°F . The unit can be converted to degrees Celsius (25°C-80°C) by the touch of the "F/C" buttton. By using the polycarbonate cover, temperature can remain stable for longer periods of time.

Corrosion should not be a problem since the unit is constructed of 18-8 nickel-bearing stainless steel. The water receptacle is sealed below the rim so that accidental spillage is prevented from penetrating to the inside.

How To Use:

1.)Fill reservoir to a level which will allow the water to rise without overflowing when the largest object is immersed. ****Important: To avoid damage, always keep water level at least half full.**

2.)Connect to **110-120v 60 Hz** outlet.

3.)Turn unit on by pushing Rocker Switch located below red LED lamp. The Rocker Switch will stay illuminated as long as it is in the down position.

4.)To set the desired temperature, press the "Set" button. The entire display will begin to flash. Press the "up" and "down" keys until the desired temperature is reached. Press the "Set" button again to lock in the new temperature. The display will now show the set temperature in the upper right corner. It will read "Set: (temperature)".

5.)When the therm bath is heating, the display will read "heating" and show the current temperature in the main part of the display. The red LED lamp above the rocker switch will illuminate when the unit is heating, and go dark when the unit is holding temperature.

6.)When the desired temperature has been reached, the display will read "holding" and show the current temperature.

7.)Place the included clear cover over the tank for more even heating.

8.)On the bottom of the display reads "Auto off: x.xH". This shows how much time is left before the therm bath automatically turns itself off.

9.)To adjust the timer, press the "Set" button. Next, press the "Mode" button. You can now use the "up" and "down" keys to adjust the timer, accurate to the tenth of an hour. Press the "Set" button again to lock in the new time.

10.)Take care not to heat the unit when dry! If you do this, runaway heating may occur. The unit will automatically shut itself off at 190°F, but such high temperatures can damage the internals of the therm bath. Always make sure there is water in the sink before heating.

Troubleshooting:

Problem: The unit will not heat, and the light does not come on.

Likely Cause: The fuse has blown.

Solution: ***Important!*** **Unplug the unit before servicing the fuse.** The fuse is accessible via the back panel fuse holder. To remove the fuse, open the black fuse holder, located just above the plug outlet and pull out to remove the fuse. Replace fuse if necessary.

Problem: The unit will not heat, and the light does come on.

Likely Cause: The safety thermostat has been tripped.

Solution: The safety thermostat will re-set itself once it has sufficiently cooled. Depending on conditions, it may take up to 30 minutes. The process can be speeded up by filling the sink with cold water.

Further Problems:

If the unit does not heat up after an extended period of cooling time, then the heating element may have failed. Please contact Science First for an RMA (return merchandise authorization) number and send the unit back to Science First to obtain an estimate for repairs.

Accessories:

1. Your Laboratory Waterbath will accept a custom-made strong polystyrene 0.40 plastic liner to fit the **663-1271** sink. It can be washed in a dishwasher on the top shelf and reused several times. Additional liners are available directly from **Science First®.**
2. [Optional] You may wish to use a thermometer to check temperature settings. You may order one suited to this application from **Science First®.**
   699-9995 Thermometer
3. **699-9991** Stai-Clean stainless steel cleaner is recommended for use with the Laboratory Waterbath. It is available directly from **Science First®.**

Warranty and Parts:

We replace all defective or missing parts free of charge. Additional replacement parts may be ordered toll-free. We accept MasterCard, Visa, checks and School P.O.s. All products warranted to be free from defect for 90 days. Does not apply to accident, misuse or normal wear and tear. Intended for children 13 years of age and up. This item is not a toy. It may contain small parts that can be choking hazards. Adult supervision is required.

Laboratory Waterbath temperature range: 25°C - 80°C

P/N 24-7130