








Quick Start GUIDE

for the **Piko Thermal Cycler**

- 1 Place the cycler on a bare benchtop for adequate air intake and leave at least 10cm around exhaust vents for proper air flow.
- 2 First, connect power supply to the back of the Piko cycler. Then plug power supply into wall outlet.
- 3 Press  to open drawer and remove shipping plate from block.
- 4 Select **NEW** or **RUN** from the function keys to load or create a protocol (see reverse side).
- 5 Place sealed PCR vessels into the block. Sealers or caps may also be applied with vessels in the block.
- 6 Close drawer to begin protocol.
- 7 Monitor the run using the **STAT** or **TIME** function key.
- 8 Press  to cancel the run or the **PAUSE** function key to pause the run. Pressing  will also pause the run and open the drawer.
- 9 Once the run completes, press the **EXIT** function key and then press  to raise the lid and release the drawer.



To create a new protocol:

- 1 Press **NEW** and default protocol will appear. Temperature for each step is represented above the line and time (min:sec) below the line.
- 2 User cursor keys to navigate to each step/value.
- 3 Modify the value with the keypad (e.g., for 60.5 press 6, 0, 5). To enter an infinite hold press .
- 4 To add a temperature step, press **ADD** and then **TEMP**. Steps are added to the right of the current step.
- 5 To add a loop:
 - Highlight the last step in the loop.
 - Press **ADD** and then **GOTO**.
 - Use cursor keys to move arrow to desired first temperature step in the loop.
 - Press **YES** to accept or **NO** to cancel the goto step.
 - Edit the number in the center of the arrow to adjust the number of repeated cycles.
- 6 To delete a highlighted step, press **DEL**.
- 7 To save a protocol:
 - Press **SAVE** and edit the filename that appears in the lower left corner.
 - Press **SAVE** again.
 - Highlight the desired folder and press **SELECT** or press **NEW** to create a new folder.
 - Press **YES** to save the protocol.

Note: When editing a field, the cancel key is used to delete.

To edit an existing protocol:

- 1 From the main menu, press **RUN**.
- 2 Use the cursor keys to navigate to the desired folder and press **OPEN**.
- 3 Select the desired protocol and press **OPEN**.
- 4 Press **EDIT** to make changes and use steps 1–7 (to the left) or press **LIST** to make changes in a non-graphical view.

To run an existing protocol:

- 1 From the main menu, press **RUN**.
- 2 Use the cursor keys to navigate to the desired folder and press **OPEN**.
- 3 Select the desired protocol and press **OPEN**.
- 4 Press **START**.
- 5 Follow on-screen instructions.

