The device housing can include a sample block with a top and a bottom surface and a thermal electric device in thermal communication with the bottom surface.

[0016] The cover can include a handle portion, a device lid portion, a sample block platen and a link bar. The device lid portion is attached to the proximal side of the handle portion with a pin, wherein the pin protrudes from the device lid portion and latches onto an elliptical slot opening on the proximal side of the handle portion. The sample block platen is operably connected to the handle portion such that the sample block platen is positioned against the sample block when the handle portion is flush with the device lid portion and the cover is in a closed position. The link bar is operably connected to the device housing and the pin such that a distal side of the handle portion is elevated away from the device lid portion when the cover is moved to an open position.

[0017] In another aspect, a device cover is disclosed. The device cover can be comprised of a handle portion, a device lid portion and a link bar. The device lid portion can be attached to a proximal side of the handle portion with a pin. The link bar can be operably connected to the device housing and the proximal side of the handle portion such that a distal side of the handle portion is elevated away from the device lid portion when the cover is moved to an open position. The pin protrudes from both sides of the device lid portion and latches onto elliptical slot openings on both sides of the proximal side of the handle portion.

[0018] These and other features, aspects, and embodiments of the invention are described below in the section entitled "Description of Various Embodiments."

DESCRIPTION OF VARIOUS EMBODIMENTS

[0019] Embodiments of systems and apparatuses for providing a heated cover on a thermal cycler are described herein. Details of the various embodiments of these systems and apparatuses are illustrated with reference to the exemplary and non-limiting drawings included with this specification.

[0020] It will be appreciated that there is an implied "about" prior to the temperatures, concentrations, times, number of bases, coverage, etc. discussed in the present teachings, such that slight and insubstantial deviations are within the scope of the present teachings. In this application, the use of the singular includes the plural unless specifically stated otherwise. Also, the use of "comprise", "comprises", "comprising", "contain", "contains", "containing", "include", "includes", and "including" are not intended to be limiting. It is to be understood that both the foregoing general description and the following detailed

6. The thermal cycler system, as recited in claim 1, wherein the pin is a separate part that is attached to the device lid portion.
7. The thermal cycler system, as recited in claim 1, wherein the elliptical slot opening is configured to allow the distal side of the handle portion to elevate between an angle of about 30 degrees to about 70 degrees relative to the device lid portion when the cover is moved to an open position.
8. The thermal cycler system, as recited in claim 1, wherein the sample block platen thermally seals the sample block when the handle portion is flush with the device lid portion and when the cover is in a closed position.
9. The thermal cycler system as recited in claim 1, wherein the sample block platen is connected to handle portion with a platen pin that latches onto a platen slot opening on the proximal side of the handle portion.
10. The thermal cycler system, as recited in claim 1, wherein the handle portion further includes a grip configured to provide a gripping surface to allow a user to hold the handle portion.

11. The thermal cycler system as recited in claim 1, wherein the sample block platen latches onto a slot opening on the proximal side of the handle portion.

12. A device cover, comprising:

a handle portion;

a device lid portion attached to a proximal side of the handle portion with a pin; and

a link bar operably connected to a device housing and the proximal side of the handle portion such that a distal side of the handle portion is elevated away from the device lid portion when the cover is moved to an open position,

wherein the pin protrudes from both sides of the device lid portion and latches onto elliptical slot openings on both sides of the proximal side of the handle portion.

13. The device cover, as recited in claim 12, wherein the pin is an unbroken part of the device lid portion.
14. The device cover, as recited in claim 12, wherein the pin is a separate part that is attached to the device lid portion.
15. The device cover, as recited in claim 12, wherein the elliptical slot openings are configured to allow the distal side of the handle portion to elevate between an angle of about 30 degrees to about 70 degrees relative to the device lid portion when the cover is moved to an open position.
16. The device cover, as recited in claim 12, wherein the handle portion further includes a grip configured to provide a gripping surface to allow a user to hold the handle portion.