~~WHAT IS CLAIMED IS:~~Claims

1. A cartridge comprising:

a housing defining a chamber storing a volume of reagent therein;

an active warming element embedded within the housing and positioned proximate to the chamber; and

a power source connector coupled to the housing and electrically coupled to the active warming element embedded within the housing;

wherein the active warming element is to thaw the volume of reagent within the chamber responsive to providing electrical power to the power source connector.

2. The cartridge of claim 1, wherein the housing defines one or more fins extending into the chamber.

3. The cartridge of claim 2, wherein at least a portion of the active warming element extends into the one or more fins.

4. The cartridge of any one of claims 1-3, wherein the active warming element comprises conductive carbon embedded in the housing.

5. The cartridge of any one of claims 1-3, wherein the active warming element comprises a resistive tape embedded in the housing.

6. The cartridge of any one of claims 1-3, wherein the chamber is defined by a first sub-component, wherein the housing comprises a plurality of sub-components that are separately constructed and coupled together.

7. The cartridge of claim 6, wherein the active warming element is coupled to an exterior surface of the first sub-component.

8. The cartridge of any one of claims 1-3, wherein the power source connector comprises a conductive sticker having a conductive adhesive.

9. The cartridge of any one of claims 1-3, wherein the power source connector comprises a portion of a top sealed to the housing.

10. The cartridge of claim 9, wherein the top comprises an aluminum foil.

11. The cartridge of any one of claims 1-3 further comprising an identifier coupled to the housing.

12. The cartridge of claim 11, wherein the identifier comprises an RFID transponder.

13. The cartridge of claim 11, wherein the identifier comprises a barcode.

14. A method comprising:

coupling a power source connector of a cartridge to a power source; and

initiating an active heating process to thaw a reagent stored in a chamber of the cartridge, wherein the active heating process comprises applying power from the power source to an active warming element embedded in a housing of the cartridge proximate to the chamber storing the reagent for a predetermined period of time.

15. The method of claim 14, wherein the predetermined period of time is set responsive to accessing data of an identifier coupled to the housing of the cartridge.

16. The method of claim 15, wherein the identifier comprises an RFID transponder.

17. The method of claim 15, wherein the identifier comprises a barcode.

18. The method of any one of claims 14-17, wherein the housing of the cartridge comprises a second active warming element proximate a second chamber storing a second reagent therein, wherein the active heating process comprises applying a second power from the power source to the second active warming element for a second predetermined period of time, wherein the second predetermined period of time is different than the predetermined period of time.

19. A cartridge comprising:

a housing defining a first chamber storing a first volume of a first reagent therein and a second chamber storing a second volume of a second reagent therein;

an active warming element embedded within the housing and positioned proximate to the first chamber and the second chamber; and

a power source connector coupled to the housing and electrically coupled to the active warming element embedded within the housing;

wherein the active warming element is to thaw the first volume of the first reagent within the first chamber to a first target temperature and thaw the second

volume of the second reagent within the second chamber to a second target temperature responsive to providing electrical power to the power source connector.

20. The cartridge of claim 19, further comprising an RFID transponder embedded in the housing, wherein the first target temperature and the second target temperature are determined responsive to accessing data of the RFID transponder.