

What is claimed is:

1. A drug delivery system comprising:
 - a drug delivery device comprising a reservoir, a delivery cannula having a proximal end in fluid communication with the reservoir and a distal end to be received within a patient, and a controllable element;
 - a sensor coupled to the drug delivery device; and
 - a controller coupled to the sensor and the controllable element, the controller being configured to:
 - use the sensor to determine a condition or an operational state of the drug delivery device, and
 - control the controllable element based on the condition or the operational state of the drug delivery device.
2. The drug delivery system of claim 1, wherein:
 - the drug delivery device comprises a removable sterile barrier disposed about the distal end of the delivery cannula;
 - the sensor is configured to detect movement of the removable sterile barrier; and
 - the controller is configured to:
 - use the sensor to determine if the removable sterile barrier has been removed from the distal end of the delivery cannula;
 - determine if a time period has elapsed since removal of the removable sterile barrier; and
 - activate the lock if the removable sterile barrier has been removed from the distal end of the delivery cannula and the time period has elapsed.
3. The drug delivery system of claim 1, wherein the controllable element comprises a circuit having a low-energy state and a high-energy state.
4. The drug delivery system of claim 3, wherein:
 - the drug delivery device comprises a removable sterile barrier disposed about the distal end of the delivery cannula;
 - the sensor is configured to detect movement of the removable sterile barrier; and
 - the controller is configured to:

use the sensor to determine if the removable sterile barrier has been removed from the distal end of the delivery cannula; and

switch the circuit from the low-energy state to the high-energy state if the removable sterile barrier has been removed from the distal end of the delivery cannula.

5. The drug delivery system of claim 1, wherein the controllable element comprises a heating element configured to heat a medicament in the reservoir or the delivery cannula when activated.

6. The drug delivery system of claim 5, wherein:
the drug delivery device comprises a removable sterile barrier disposed about the distal end of the delivery cannula;
the sensor is configured to detect movement of the removable sterile barrier; and
the controller is configured to:

use the sensor to determine if the removable sterile barrier has been removed from the distal end of the delivery cannula; and

activate the heating element if the removable sterile barrier has been removed from the distal end of the delivery cannula.

7. The drug delivery system of any one of claims 1 to 6, the drug delivery device comprising:

a housing containing the reservoir and the delivery cannula; and
a removable sterile barrier disposed about a distal end of the housing, the removable sterile barrier having at least one roll inhibiting exterior side surface.

8. The drug delivery system of claim 7, the removable sterile barrier having a triangular cross section.

9. The drug delivery system of claim 7 or 8, the removable sterile barrier having a planar distal end surface, the at least one roll inhibiting exterior side surface being perpendicular to the planar distal end surface.

10. The drug delivery system of any one of claims 7 to 9, the removable sterile barrier including a cover member and a tubular member, the cover member covering an open

end of the tubular member, the tubular member including a plurality of outwardly protruding ribs to be gripped by the patient when removing the removable sterile barrier from the housing.

11. The drug delivery system of any one of claims 7 to 10, at least one of the controller or the sensor being housed within the removable sterile barrier.

12. A drug delivery system comprising:

a drug delivery device comprising a reservoir, a delivery cannula having a proximal end in fluid communication with the reservoir and a distal end to be received within a patient, and a controllable element;

a memory configured to store identity information representative of at least one of an identity of the patient, an identity of the drug delivery device, or an identity of a medicament to be stored within the reservoir; and

a controller coupled to the memory and the controllable element, the controller being configured to control the controllable element based on the identity information.

13. The drug delivery system of claim 12, the drug delivery device comprising:

a housing containing the reservoir and the delivery cannula; and

a removable sterile barrier disposed about a distal end of the housing, the removable sterile barrier having at least one roll inhibiting exterior side surface.

14. The drug delivery system of claim 13, the removable sterile barrier having a triangular cross section.

15. The drug delivery system of claim 13 or 14, the removable sterile barrier having a planar distal end surface, the at least one roll inhibiting exterior side surface being perpendicular to the planar distal end surface.

16. The drug delivery system of any one of claims 13 to 15, the removable sterile barrier including a cover member and a tubular member, the cover member covering an open end of the tubular member, the tubular member including a plurality of outwardly protruding ribs to be gripped by the patient when removing the removable sterile barrier from the housing.

17. The drug delivery stem of any one of claims 13 to 16, at least one of the controller or the memory being housed within the removable sterile barrier.

18. A method for use with a drug delivery device comprising a reservoir, a delivery cannula having a proximal end in fluid communication with the reservoir and a distal end to be received within a patient, a removable sterile barrier disposed about the second end of the delivery cannula, and a controllable element, the method comprising:

determining, with one or more sensors, a condition or an operational state of the drug delivery device; and

controlling the controllable element based on the condition or the operational state of the drug delivery device.

19. The method of claim 18, comprising:

determining, with the one or more sensors, if a removable sterile barrier has been removed from the distal end of the delivery cannula;

determining if a time period has elapsed since removal of the removable sterile barrier; and

activating the lock if the removable sterile barrier has been removed from the distal end of the delivery cannula and the time period has elapsed.

20. The method of claim 19, comprising:

determining, with the one or more sensors, if a removable sterile barrier has been removed from the distal end of the delivery cannula; and

switching the circuit from the low-energy state to the high-energy state if the removable sterile barrier has been removed from the distal end of the delivery cannula.

21. The method of claim 20, comprising:

determining, with the one or more sensors, if a removable sterile barrier has been removed from the distal end of the delivery cannula; and

activating the heating element if the removable sterile barrier has been removed from the distal end of the delivery cannula.