CLAIMS

1. An identification system for one or more fluid lines mounted on a carriage assembly of a peritoneal dialysis device comprising:

a plurality of slots on the carriage assembly, each configured to accept and hold a fluid line connector of a fluid line;

an identification tag mounted on each fluid line connector, the identification tag bearing a code readable by a camera mounted in the peritoneal dialysis device;

a slot code located at the base of each slot and readable by the camera in the absence of an installed fluid line connector; and

a processor that receives image data from the camera, and that is configured to decode information embedded in the identification tag code and slot code;

wherein the processor is programmed to identify empty slots by the detection of the slot code, identify properly mounted or correct fluid lines by the detection of identification tag codes, and identify improperly mounted or incorrect fluid lines if neither a slot code nor an identification tag code is detected in a slot location.

2. The identification system of claim 1, wherein the identification tag code and slot code comprise barcodes or two-dimensional data matrix codes.

3. The identification system of claim 1, wherein the identification tag code of a connector of a fluid line connected to a fluid container includes indicia about the fluid or the fluid container.

4. The identification system of claim 3, wherein the indicia includes the type of fluid, a date of production of the fluid, a volume of the fluid, or other information about such as the date of manufacture or identity of the manufacturer of the fluid or fluid container.

5. The identification system of claim 3 or 4, wherein the processor is configured to identify which of the plurality of slots is occupied by a connector connected to a fluid container having characteristics based on the decoded indicia.

6. The identification system of claim 1, wherein the identification tag is constructed to fold to snap around an indicator region of the fluid line connector.