

**§ 864.9205 Blood and plasma warming device.**

(a) *Nonelectromagnetic blood or plasma warming device*—(1) *Identification*. A nonelectromagnetic blood and plasma warming device is a device that warms blood or plasma, by means other than electromagnetic radiation, prior to administration.

(2) *Classification*. Class II (performance standards).

(b) *Electromagnetic blood and plasma warming device*—(1) *Identification*. An electromagnetic blood and plasma warming device is a device that employs electromagnetic radiation (radiowaves or microwaves) to warm a bag or bottle of blood or plasma prior to administration.

(2) *Classification*. Class III (premarket approval).

(c) *Date PMA or notice of completion of a PDP is required*. No effective date has been established of the requirement for premarket approval for the device described in paragraph (b)(1). See § 864.3.

[45 FR 60642, Sept. 12, 1980, as amended at 52 FR 17733, May 11, 1987]

**§ 864.9225 Cell-freezing apparatus and reagents for in vitro diagnostic use.**

(a) *Identification*. Cell-freezing apparatus and reagents for in vitro diagnostic use are devices used to freeze human red blood cells for in vitro diagnostic use.

(b) *Classification*. Class I (general controls). The device is exempt from the premarket notification procedures in subpart E of part 807 of this chapter subject to § 864.9.

[45 FR 60643, Sept. 12, 1980, as amended at 65 FR 2310, Jan. 14, 2000]

**§ 864.9245 Automated blood cell separator.**

(a) *Identification*. An automated blood cell separator is a device that uses a centrifugal or filtration separation principle to automatically withdraw whole blood from a donor, separate the whole blood into blood components, collect one or more of the blood components, and return to the donor the remainder of the whole blood and blood components. The automated blood cell separator device is intended for routine collection of blood and blood compo-

nents for transfusion or further manufacturing use.

(b) *Classification*. Class II (special controls). The special control for this device is a guidance for industry and FDA staff entitled “Class II Special Controls Guidance Document: Automated Blood Cell Separator Device Operating by Centrifugal or Filtration Separation Principle.”

[72 FR 67644, Nov. 30, 2007]

**§ 864.9275 Blood bank centrifuge for in vitro diagnostic use.**

(a) *Identification*. A blood bank centrifuge for in vitro diagnostic use is a device used only to separate blood cells for further diagnostic testing.

(b) *Classification*. Class I (general controls). The device is exempt from the premarket notification procedures in subpart E of part 807 of this chapter subject to § 864.9.

[45 FR 60645, Sept. 12, 1980, as amended at 65 FR 2310, Jan. 14, 2000]

**§ 864.9285 Automated cell-washing centrifuge for immuno-hematology.**

(a) *Identification*. An automated cell-washing centrifuge for immuno-hematology is a device used to separate and prepare cells and sera for further in vitro diagnostic testing.

(b) *Classification*. Class II (performance standards).

[45 FR 60646, Sept. 12, 1980]

**§ 864.9300 Automated Coombs test systems.**

(a) *Identification*. An automated Coombs test system is a device used to detect and identify antibodies in patient sera or antibodies bound to red cells. The Coombs test is used for the diagnosis of hemolytic disease of the newborn, and autoimmune hemolytic anemia. The test is also used in crossmatching and in investigating transfusion reactions and drug-induced red cell sensitization.

(b) *Classification*. Class II (performance standards).

[45 FR 60646, Sept. 12, 1980]