§ 866.5040 Albumin immunological test system.

(a) Identification. An albumin immunological test system is a device that consists of the reagents used to measure by immunochemical techniques the albumin (a plasma protein) in serum and other body fluids. Measurement of albumin aids in the diagnosis of kidney and intestinal diseases.

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

§ 866.5060 Prealbumin immunological test system.

(a) Identification. A prealbumin immunological test system is a device that consists of the reagents used to measure by immunochemical techniques the prealbumin (a plasma protein) in serum and other body fluids. Measurement of prealbumin levels in serum may aid in the assessment of the patient’s nutritional status.

(b) Classification. Class I (general controls).

§ 866.5065 Human allotypic marker immunological test system.

(a) Identification. A human allotypic marker immunological test system is a device that consists of the reagents used to identify by immunochemical techniques the inherited human protein allotypic markers (such as nGm, nA2m, and Km allotypes) in serum and other body fluids. The identification may be used while studying population genetics.

(b) Classification. Class I (general controls).

§ 866.5080 Alpha-1-antichymotrypsin immunological test system.

(a) Identification. An alpha-1-antichymotrypsin immunological test system is a device that consists of the reagents used to measure by immunochemical techniques alpha-1-antichymotrypsin (a protein) in serum, other body fluids, and tissues. Alpha-1-antichymotrypsin helps protect tissues against proteolytic (protein-splitting) enzymes released during infection.

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

§ 866.5090 Antimitochondrial antibody immunological test system.

(a) Identification. An antimitochondrial antibody immunological test system is a device that consists of the reagents used to measure by immunochemical techniques the antimitochondrial antibodies in human serum. The measurements aid in the diagnosis of diseases that produce a spectrum of autoantibodies (antibodies produced against the body’s own tissue), such as primary biliary cirrhosis (degeneration of liver tissue) and chronic active hepatitis (inflammation of the liver).

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

§ 866.5100 Antinuclear antibody immunological test system.

(a) Identification. An antinuclear antibody immunological test system is a device that consists of the reagents used to measure by immunochemical techniques the autoimmune antibodies in serum, other body fluids, and tissues that react with cellular nuclear constituents (molecules present in the nucleus of a cell, such as ribonucleic acid, deoxyribonucleic acid, or nuclear proteins). The measurements aid in the diagnosis of systemic lupus erythematosus (a multisystem autoimmune disease in which antibodies attack the victim’s own tissues), hepatitis (a liver disease), rheumatoid arthritis, Sjogren’s syndrome (arthritis with inflammation of the eye, eyelid, and salivary glands), and systemic sclerosis (chronic hardening and shrinking of many body tissues).

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

§ 866.5110 Antiparietal antibody immunological test system.

(a) Identification. An antiparietal antibody immunological test system is a device that consists of the reagents used to measure by immunochemical techniques the specific antibody for gastric parietal cells in serum and other body fluids. Gastric parietal cells are those cells located in the stomach that produce a protein that enables vitamin B12 to be absorbed by the body. The measurements aid in the diagnosis of vitamin B12 deficiency (or pernicious
anemia), atrophic gastritis (inflammation of the stomach), and autoimmune connective tissue diseases (diseases resulting when the body produces antibodies against its own tissues).

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

§ 866.5120 Antismooth muscle antibody immunological test system.

(a) Identification. An antismooth muscle antibody immunological test system is a device that consists of the reagents used to measure by immunochemical techniques the antismooth muscle antibodies (antibodies to nonstriated, involuntary muscle) in serum. The measurements aid in the diagnosis of chronic hepatitis (inflammation of the liver) and autoimmune connective tissue diseases (diseases resulting from antibodies produced against the body's own tissues).

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

§ 866.5130 Alpha-1-antitrypsin immunological test system.

(a) Identification. An alpha-1-antitrypsin immunological test system is a device that consists of the reagents used to measure by immunochemical techniques the alpha-1-antitrypsin (a plasma protein) in serum, other body fluids, and tissues. The measurements aid in the diagnosis of several conditions including juvenile and adult cirrhosis of the liver. In addition, alpha-1-antitrypsin deficiency has been associated with pulmonary emphysema.

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

§ 866.5150 Bence-Jones proteins immunological test system.

(a) Identification. A Bence-Jones proteins immunological test system is a device that consists of the reagents used to measure by immunochemical techniques the Bence-Jones proteins in urine and plasma. Immunoglobulin molecules normally consist of pairs of polypeptide chains (subunits) of unequal size (light chains and heavy chains) bound together by several disulfide bridges. In some cancerous conditions, there is a proliferation of one plasma cell (antibody-producing cell) with excess production of light chains of one specific kind (monoclonal light chains). These free homogeneous light chains not associated with an immunoglobulin molecule can be found in urine and plasma, and have been called Bence-Jones proteins. Measurement of Bence-Jones proteins and determination that they are monoclonal aid in the diagnosis of multiple myeloma (malignant proliferation of plasma cells), Waldenstrom's macroglobulinemia (increased production of large immunoglobulins by spleen and bone marrow cells), leukemia (cancer of the blood-forming organs), and lymphoma (cancer of the lymphoid tissue).

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

§ 866.5160 Beta-globulin immunological test system.

(a) Identification. A beta-globulin immunological test system is a device that consists of reagents used to measure by immunochemical techniques beta globulins (serum protein) in serum and other body fluids. Beta-globulin proteins include beta-lipoprotein, transferrin, glycoproteins, and complement, and are rarely associated with specific pathologic disorders.

(b) Classification. Class I (general controls).

§ 866.5170 Breast milk immunological test system.

(a) Identification. A breast milk immunological test system is a device that consists of the reagents used to measure by immunochemical techniques the breast milk proteins.

(b) Classification. Class I. The device is exempt from the premarket notification procedures in subpart E of part 807 of this chapter.


§ 866.5200 Carbonic anhydrase B and C immunological test system.

(a) Identification. A carbonic anhydrase B and C immunological test system is a device that consists of the reagents used to measure by immunochemical techniques specific carbonic anhydrase protein molecules in serum and other body fluids. Measurements of carbonic anhydrase B and
§ 866.5210
Ceruloplasmin immunological test system.

(a) Identification. A ceruloplasmin immunological test system is a device that consists of the reagents used to measure by immunochemical techniques the ceruloplasmin (copper-transporting serum protein) in serum, other body fluids, or tissues. Measurements of ceruloplasmin aid in the diagnosis of copper metabolism disorders.

(b) Classification. Class I (general controls).

§ 866.5220 Cohn fraction II immunological test system.

(a) Identification. A Cohn fraction II immunological test system is a device that consists of the reagents that contain or are used to measure that fraction of plasma containing protein gamma globulins, predominantly of the IgG class. The device may be used as a coprecipitant in radioimmunoassay methods, as raw material for the purification of IgG subclasses, and to reduce nonspecific adsorption of plasma proteins in immunoassay techniques. Measurement of these proteins aids in the diagnosis of any disease concerned with abnormal levels of IgG gamma globulins such as agammaglobulinemia or multiple myeloma.

(b) Classification. Class I. The device is exempt from the premarket notification procedures in subpart E of part 807 of this chapter.


§ 866.5230 Colostrum immunological test system.

(a) Identification. A colostrum immunological test system is a device that consists of the reagents used to measure by immunochemical techniques the specific proteins in colostrum. Colostrum is a substance excreted by the mammary glands during pregnancy and until production of breast milk begins 1 to 5 days after childbirth.

(b) Classification. Class I. The device is exempt from the premarket notification procedures in subpart E of part 807 of this chapter.


§ 866.5240 Complement components immunological test system.

(a) Identification. A complement components immunological test system is a device that consists of the reagents used to measure by immunochemical techniques complement components C1q, C1r, C1s, C2, C3, C4, C5, C6, C7, C8, and C9, in serum, other body fluids, and tissues. Complement is a group of serum proteins which destroy infectious agents. Measurements of these proteins aids in the diagnosis of immunologic disorders, especially those associated with deficiencies of complement components.

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

[47 FR 50823, Nov. 9, 1982, as amended at 53 FR 11253, Apr. 6, 1988]

§ 866.5250 Complement C1 inhibitor (inactivator) immunological test system.

(a) Identification. A complement C1 inhibitor (inactivator) immunological test system is a device that consists of the reagents used to measure by immunochemical techniques the complement C1 inhibitor (a plasma protein) in serum. Complement C1 inhibitor occurs normally in plasma and blocks the action of the C1 component of complement (a group of serum proteins which destroy infectious agents). Measurement of complement C1 inhibitor aids in the diagnosis of hereditary angioneurotic edema (increased blood vessel permeability causing swelling of tissues) and a rare form of angioedema associated with lymphoma (lymph node cancer).

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

§ 866.5260 Complement C3b inactivator immunological test system.

(a) Identification. A complement C3b, inactivator immunological test system is a device that consists of the reagents used to measure by immunochemical techniques the complement C3b, inactivator (a plasma protein) in serum. Complement is a group of serum
proteins that destroy infectious agents. Measurement of complement C₃b inactivator aids in the diagnosis of inherited antibody dysfunction.

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

§ 866.5270 C-reactive protein immunological test system.

(a) Identification. A C-reactive protein immunological test system is a device that consists of the reagents used to measure by immunochromal techniques the C-reactive protein in serum and other body fluids. Measurement of C-reactive protein aids in evaluation of the amount of injury to body tissues.

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

§ 866.5320 Properdin factor B immunological test system.

(a) Identification. A properdin factor B immunological test system is a device that consists of the reagents used to measure by immunochromal techniques the properdin factor B in serum and other body fluids. The deposition of properdin factor B in body tissues or a corresponding depression in the amount of properdin factor B in serum and other body fluids is evidence of the involvement of the alternative to the classical pathway of activation of complement (a group of plasma proteins which cause the destruction of cells which are foreign to the body). Measurement of properdin factor B aids in the diagnosis of several kidney diseases, e.g., chronic glomerulonephritis (inflammation of the glomeruli of the kidney), lupus nephritis (kidney disease associated with a multisystem autoimmune disease, systemic lupus erythematosus), as well as several skin diseases, e.g., dermatitis herpetiformis (presence of vesicles on the skin that burn and itch), and pemphigus vulgaris (large vesicles on the skin). Other diseases in which the alternate pathway of complement activation has been implicated include rheumatoid arthritis, sickle cell anemia, and gram-negative bacteremia.

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

§ 866.5330 Factor XIII, A, S, immunological test system.

(a) Identification. A factor XIII, A, S, immunological test system is a device that consists of the reagents used to measure by immunochromal techniques the factor XIII (a bloodclotting factor), in platelets (A) or serum (S). Measurements of factor XIII, A, S, aid in the diagnosis and treatment of certain bleeding disorders resulting from a deficiency of this factor.

(b) Classification. Class I (general controls).

§ 866.5340 Ferritin immunological test system.

(a) Identification. A ferritin immunological test system is a device that consists of the reagents used to measure by immunochromal techniques the ferritin (an iron-storing protein) in serum and other body fluids. Measurements of ferritin aid in the diagnosis of diseases affecting iron metabolism, such as hemochromatosis (iron overload) and iron deficiency anemia.

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

§ 866.5350 Fibrinopeptide A immunological test system.

(a) Identification. A fibrinopeptide A immunological test system is a device that consists of the reagents used to measure by immunochromal techniques the fibrinopeptide A (a bloodclotting factor) in plasma and other body fluids. Measurement of fibrinopeptide A may aid in the diagnosis and treatment of certain bloodclotting disorders.

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

§ 866.5360 Cohn fraction IV immunological test system.

(a) Identification. A Cohn fraction IV immunological test system is a device that consists of or measures that fraction of plasma proteins, predominantly alpha- and beta-globulins, used as a raw material for the production of pure alpha- or beta-globulins. Measurement of specific alpha- or beta-globulins aids in the diagnosis of many diseases, such as Wilson's disease (an inherited disease affecting the liver and brain),
§ 866.5370

Tangier’s disease (absence of alpha-1-lipoprotein), malnutrition, iron deficiency anemia, red blood cell disorders, and kidney disease.

(b) Classification. Class I. The device is exempt from the premarket notification procedures in subpart E of part 807 of this chapter.


§ 866.5370 Cohn fraction V immunological test system.

(a) Identification. A Cohn fraction V immunological test system is a device that consists of or measures that fraction of plasma containing predominantly albumin (a plasma protein). This test aids in the diagnosis of diseases where albumin levels may be depressed, e.g., nephrosis (disease of the kidney), proteinuria (protein in the urine), gastroenteropathy (disease of the stomach and small intestine), rheumatoid arthritis, and viral hepatitis.

(b) Classification. Class I. The device is exempt from the premarket notification procedures in subpart E of part 807 of this chapter.


§ 866.5380 Free secretory component immunological test system.

(a) Identification. A free secretory component immunological test system is a device that consists of the reagents used to measure by immunochemical techniques free secretory component (normally a portion of the secretory IgA antibody molecule) in body fluids. Measurement of free secretory component (protein molecules) aids in the diagnosis or repetitive lung infections and other hypogammaglobulinemic conditions (low antibody levels).

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

§ 866.5400 Alpha-globulin immunological test system.

(a) Identification. An alpha-globulin immunological test system is a device that consists of the reagents used to measure by immunochemical techniques the alpha-globulin (a serum protein) in serum and other body fluids. Measurement of alpha-globulin may aid in the diagnosis of inflammatory lesions, infections, severe burns, and a variety of other conditions.

(b) Classification. Class I (general controls).

§ 866.5420 Alpha-1-glycoproteins immunological test system.

(a) Identification. An alpha-1-glycoproteins immunological test system is a device that consists of the reagents used to measure by immunochemical techniques alpha-1-glycoproteins (a group of plasma proteins found in the alpha-1 group when subjected to electrophoresis) in serum and other body fluids. Measurement of specific alpha-1-glycoproteins may aid in the diagnosis of collagen (connective tissue) disorders, tuberculosis, infections, extensive malignancy, and diabetes.

(b) Classification. Class I (general controls).

§ 866.5425 Alpha-2-glycoproteins immunological test system.

(a) Identification. An alpha-2-glycoproteins immunological test system is a device that consists of the reagents used to measure by immunochemical techniques alpha-2-glycoproteins (a group of plasma proteins found in the alpha-2 group when subjected to electrophoresis) in serum and other body fluids. Measurement of alpha-2-glycoproteins aids in the diagnosis of some cancers and genetically inherited deficiencies of these plasma proteins.

(b) Classification. Class I (general controls).

§ 866.5430 Beta-2-glycoprotein I immunological test system.

(a) Identification. A beta-2-glycoprotein I immunological test system is a device that consists of the reagents used to measure by immunochemical techniques the beta-2-glycoprotein I (a serum protein) in serum and other body fluids. Measurement of beta-2-glycoprotein I aids in the diagnosis of an inherited deficiency of this serum protein.

(b) Classification. Class I (general controls).
§ 866.5440 Beta-2-glycoprotein III immunological test system.
(a) Identification. A beta-2-glycoprotein III immunological test system is a device that consists of the reagents used to measure by immunochemical techniques the beta-2-glycoprotein III (a serum protein) in serum and other body fluids. Measurement of beta-2-glycoprotein III aids in the diagnosis of an inherited deficiency of this serum protein and a variety of other conditions.
(b) Classification. Class I (general controls).

§ 866.5460 Haptoglobin immunological test system.
(a) Identification. A haptoglobin immunological test system is a device that consists of the reagents used to measure by immunochemical techniques the haptoglobin (a protein that binds hemoglobin, the oxygen-carrying pigment in red blood cells) in serum. Measurement of haptoglobin may aid in the diagnosis of hemolytic diseases (diseases in which the red blood cells rupture and release hemoglobin) related to the formation of hemoglobin-haptoglobin complexes and certain kidney diseases.
(b) Classification. Class II (performance standards).

§ 866.5470 Hemoglobin immunological test system.
(a) Identification. A hemoglobin immunological test system is a device that consists of the reagents used to measure by immunochemical techniques the different types of free hemoglobin (the oxygen-carrying pigment in red blood cells) in blood, urine, plasma, or other body fluids. Measurements of free hemoglobin aid in the diagnosis of various hematologic disorders, such as sickle cell anemia, Fanconi’s anemia (a rare inherited disease), aplastic anemia (bone marrow does not produce enough blood cells), and leukemia (cancer of the blood-forming organs).
(b) Classification. Class II (performance standards).

§ 866.5490 Hemopexin immunological test system.
(a) Identification. A hemopexin immunological test system is a device that consists of the reagents used to measure by immunochemical techniques the hemopexin (a serum protein that binds heme, a component of hemoglobin) in serum. Measurement of hemopexin aids in the diagnosis of various hematologic disorders, such as hemolytic anemia (anemia due to shortened in vivo survival of mature red blood cells and inability of the bone marrow to compensate for their decreased life span) and sickle cell anemia.
(b) Classification. Class II (performance standards).

§ 866.5500 Hypersensitivity pneumonitis immunological test system.
(a) Identification. A hypersensitivity pneumonitis immunological test system is a device that consists of the reagents used to measure by immunochemical techniques the immunoglobulin antibodies in serum which react specifically with organic dust derived from fungal or animal protein sources. When these antibodies react with such dusts in the lung, immune complexes precipitate and trigger an inflammatory reaction (hypersensitivity pneumonitis). Measurement of these immunoglobulin G antibodies aids in the diagnosis of hypersensitivity pneumonitis and other allergic respiratory disorders.
(b) Classification. Class II (performance standards).

§ 866.5510 Immunoglobulins A, G, M, D, and E immunological test system.
(a) Identification. An immunoglobulins A, G, M, D, and E immunological test system is a device that consists of the reagents used to measure by immunochemical techniques the immunoglobulins A, G, M, D, and E (serum antibodies) in serum. Measurement of these immunoglobulins aids in the diagnosis of abnormal protein metabolism and the body’s lack of ability to resist infectious agents.
(b) Classification. Class II (performance standards).
§ 866.5520 Immunoglobulin G (Fab fragment specific) Immunological test system.

(a) Identification. An immunoglobulin G (Fab fragment specific) immunological test system is a device that consists of the reagents used to measure by immunochemical techniques the Fab antigen-binding fragment resulting from breakdown of immunoglobulin G antibodies in urine, serum, and other body fluids. Measurement of Fab fragments of immunoglobulin G aids in the diagnosis of lymphoproliferative disorders, such as multiple myeloma (tumor of bone marrow cells), Waldenstrom's macroglobulinemia (increased immunoglobulin production by the spleen and bone marrow cells), and lymphoma (tumor of the lymphoid tissues).

(b) Classification. Class I. The device is exempt from the premarket notification procedures in subpart E of part 807 of this chapter.

[47 FR 50823, Nov. 9, 1982, as amended at 61 FR 1119, Jan. 16, 1996]

§ 866.5530 Immunoglobulin G (Fc fragment specific) Immunological test system.

(a) Identification. An immunoglobulin G (Fc fragment specific) immunological test system is a device that consists of the reagents used to measure by immunochemical techniques the Fc (carbohydrate containing) fragment of immunoglobulin G (resulting from breakdown of immunoglobulin G antibodies) in urine, serum, and other body fluids. Measurement of immunoglobulin G Fc fragments aids in the diagnosis of plasma antibody-forming cell abnormalities, e.g., gamma heavy chain disease.

(b) Classification. Class I. The device is exempt from the premarket notification procedures in subpart E of part 807 of this chapter.


§ 866.5540 Immunoglobulin G (Fd fragment specific) Immunological test system.

(a) Identification. An immunoglobulin G (Fd fragment specific) immunological test system is a device that consists of the reagents used to measure by immunochemical techniques the amino terminal (antigen-binding) end (Fd fragment) of the heavy chain (a subunit) of the immunoglobulin antibody molecule in serum. Measurement of immunoglobulin G Fd fragments aids in the diagnosis of plasma antibody-forming cell abnormalities.

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

§ 866.5550 Immunoglobulin (light chain specific) immunological test system.

(a) Identification. An immunoglobulin (light chain specific) immunological test system is a device that consists of the reagents used to measure by immunochemical techniques both kappa and lambda types of light chain portions of immunoglobulin molecules in serum, other body fluids, and tissues. In some disease states, an excess of light chains are produced by the antibody-forming cells. These free light chains, unassociated with gamma globulin molecules, can be found in a patient's body fluids and tissues. Measurement of the various amounts of the different types of light chains aids in the diagnosis of multiple myeloma (cancer of antibody-forming cells), lymphocytic neoplasms (cancer of lymphoid tissue), Waldenstrom's macroglobulinemia (increased production of large immunoglobulins), and connective tissue diseases such as rheumatoid arthritis or systemic lupus erythematosus.

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

§ 866.5560 Lactic dehydrogenase immunological test system.

(a) Identification. A lactic dehydrogenase immunological test system is a device that consists of the reagents used to measure by immunochemical techniques the activity of the lactic dehydrogenase enzyme in serum. Increased levels of lactic dehydrogenase are found in a variety of conditions, including megaloblastic anemia (de-
crease in the number of mature red blood cells, myocardial infarction (heart disease), and some forms of leukemia (cancer of the blood-forming organs). However, the diagnostic usefulness of this device is limited because of the many conditions known to cause increased lactic dehydrogenase levels.

(b) Classification. Class I (general controls).

§ 866.5570 Lactoferrin immunological test system.

(a) Identification. A lactoferrin immunological test system is a device that consists of the reagents used to measure by immunochemical techniques the lactoferrin (an iron-binding protein with the ability to inhibit the growth of bacteria) in serum, breast milk, other body fluids, and tissues. Measurement of lactoferrin may aid in the diagnosis of an inherited deficiency of this protein.

(b) Classification. Class I (general controls).

§ 866.5580 Alpha-1-lipoprotein immunological test system.

(a) Identification. An alpha-1-lipoprotein immunological test system is a device that consists of the reagents used to measure by immunochemical techniques the alpha-1-lipoprotein (high-density lipoprotein) in serum and plasma. Measurement of alpha-1-lipoprotein may aid in the diagnosis of Tangier disease (a hereditary disorder of fat metabolism).

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

§ 866.5590 Lipoprotein X immunological test system.

(a) Identification. A lipoprotein X immunological test system is a device that consists of the reagents used to measure by immunochemical techniques lipoprotein X (a high-density lipoprotein) in serum and other body fluids. Measurement of lipoprotein X aids in the diagnosis of obstructive liver disease.

(b) Classification. Class I (general controls).

§ 866.5600 Low-density lipoprotein immunological test system.

(a) Identification. A low-density lipoprotein immunological test system is a device that consists of the reagents used to measure by immunochemical techniques the low-density lipoprotein in serum and other body fluids. Measurement of low-density lipoprotein in serum may aid in the diagnosis of disorders of lipid (fat) metabolism and help to identify young persons at risk from cardiovascular diseases.

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

§ 866.5620 Alpha-2-macroglobulin immunological test system.

(a) Identification. An alpha-2-macroglobulin immunological test system is a device that consists of the reagents used to measure by immunochemical techniques the alpha-2-macroglobulin (a protein molecule) in plasma. Measurement of alpha-2-macroglobulin may aid in the diagnosis of blood-clotting or clot lysis disorders.

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

§ 866.5630 Beta-2-microglobulin immunological test system.

(a) Identification. A beta-2-microglobulin immunological test system is a device that consists of the reagents used to measure by immunochemical techniques beta-2-microglobulin (a protein molecule) in serum, urine, and other body fluids. Measurement of beta-2-microglobulin aids in the diagnosis of active rheumatoid arthritis and kidney disease.

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

§ 866.5640 Infectious mononucleosis immunological test system.

(a) Identification. An infectious mononucleosis immunological test system is a device that consists of the reagents used to measure by immunochemical techniques heterophile antibodies frequently associated with infectious mononucleosis in serum, plasma, and other body fluids. Measurements of these antibodies aid in the diagnosis of infectious mononucleosis.
§ 866.5660 Multiple autoantibodies immunological test system.

(a) Identification. A multiple autoantibodies immunological test system is a device that consists of the reagents used to measure by immunochemical techniques the autoantibodies (antibodies produced against the body's own tissues) in serum and other body fluids. Measurement of multiple autoantibodies aids in the diagnosis of autoimmune disorders (disease produced when the body's own tissues are injured by autoantibodies).

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

§ 866.5680 Myoglobin immunological test system.

(a) Identification. A myoglobin immunological test system is a device that consists of the reagents used to measure by immunochemical techniques the myoglobin (an oxygen storage protein found in muscle) in serum and other body fluids. Measurement of myoglobin aids in the rapid diagnosis of heart or renal disease.

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

§ 866.5700 Whole human plasma or serum immunological test system.

(a) Identification. A whole human plasma or serum immunological test system is a device that consists of reagents used to measure by immunochemical techniques the proteins in plasma or serum. Measurements of proteins in plasma or serum aid in the diagnosis of any disease concerned with abnormal levels of plasma or serum proteins, e.g., agammaglobulinemia, allergies, multiple myeloma, rheumatoid vasculitis, or hereditary angioneurotic edema.

(b) Classification. Class I. The device is exempt from the premarket notification procedures in subpart E of part 807 of this chapter.

§ 866.5715 Plasminogen immunological test system.

(a) Identification. A plasminogen immunological test system is a device that consists of the reagents used to measure by immunochemical techniques the plasminogen (an inactive substance from which plasmin, a blood-clotting factor, is formed) in serum, other body fluids, and tissues. Measurement of plasminogen levels may aid in the diagnosis of fibrinolytic (blood-clotting) disorders.

(b) Classification. Class I (general controls).

§ 866.5735 Prothrombin immunological test system.

(a) Identification. A prothrombin immunological test system is a device that consists of the reagents used to measure by immunochemical techniques the prothrombin (clotting factor II) in serum. Measurements of the amount of antigenically competent (ability to react with protein antibodies) prothrombin aid in the diagnosis of blood-clotting disorders.

(b) Classification. Class I (general controls).

§ 866.5750 Radioallergosorbent (RAST) immunological test system.

(a) Identification. A radioallergosorbent immunological test system is a device that consists of the reagents used to measure by immunochemical techniques the allergen antibodies (antibodies which cause an allergic reaction) specific for a given allergen. Measurement of specific allergen antibodies may aid in the diagnosis of asthma, allergies, and other pulmonary disorders.

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

§ 866.5765 Retinol-binding protein immunological test system.

(a) Identification. A retinol-binding protein immunological test system is a device that consists of the reagents used to measure by immunochemical techniques the retinol-binding protein that binds and transports vitamin A in serum and urine. Measurement of this protein may aid in the diagnosis of kidney disease and in monitoring patients with kidney transplants.
Food and Drug Administration, HHS

§ 866.5775 Rheumatoid factor immunological test system.

(a) Identification. A rheumatoid factor immunological test system is a device that consists of the reagents used to measure by immunochemical techniques the rheumatoid factor (antibodies to immunoglobulins) in serum, other body fluids, and tissues. Measurement of rheumatoid factor may aid in the diagnosis of rheumatoid arthritis.

(b) Classification. Class I (general controls).

§ 866.5800 Seminal fluid (sperm) immunological test system.

(a) Identification. A seminal fluid (sperm) immunological test system is a device that consists of the reagents used for legal purposes to identify and differentiate animal and human semen. The test results may be used as court evidence in alleged instances of rape and other sex-related crimes.

(b) Classification. Class I. The device is exempt from the premarket notification procedures in subpart E of part 807 of this chapter.

[54 FR 25047, June 12, 1989]

§ 866.5820 Systemic lupus erythematosus immunological test system.

(a) Identification. A systemic lupus erythematosus (SLE) immunological test system is a device that consists of the reagents used to measure by immunochemical techniques the autoimmune antibodies in serum and other body fluids that react with cellular, nuclear, double-stranded deoxyribonucleic acid (DNA) or other nuclear constituents that are specifically diagnostic of SLE. Measurement of nuclear double-stranded DNA antibodies aids in the diagnosis of SLE (a multisystem autoimmune disease in which tissues are attacked by the person's own antibodies).

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

§ 866.5840 Total spinal fluid immunological test system.

(a) Identification. A total spinal fluid immunological test system is a device that consists of the reagents used to measure by immunochemical techniques the total protein in cerebrospinal fluid. Measurement of spinal fluid proteins may aid in the diagnosis of multiple sclerosis and other diseases of the nervous system.

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

[47 FR 50823, Nov. 9, 1982, as amended at 61 FR 1119, Jan. 16, 1996]

§ 866.5860 Thyroid autoantibody immunological test system.

(a) Identification. A thyroid autoantibody immunological test system is a device that consists of the reagents used to measure by immunochemical techniques the thyroid autoantibodies (antibodies produced against the body's own tissues). Measurement of thyroid autoantibodies may aid in the diagnosis of certain thyroid disorders, such as Hashimoto's disease (chronic lymphocytic thyroiditis), nontoxic goiter (enlargement of thyroid gland), Grave's disease (enlargement of the thyroid gland with protrusion of the eyeballs), and cancer of the thyroid.

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

§ 866.5880 Transferrin immunological test system.

(a) Identification. A transferrin immunological test system is a device that consists of the reagents used to measure by immunochemical techniques the transferrin (an iron-binding and transporting serum protein) in serum, plasma, and other body fluids. Measurement of transferrin levels aids in the diagnosis of malnutrition, acute inflammation, infection, and red blood cell disorders, such as iron deficiency anemia.

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

§ 866.5890 Inter-alpha trypsin inhibitor immunological test system.

(a) Identification. An inter-alpha trypsin inhibitor immunological test system is a device that consists of the reagents used to measure by immunochemical techniques the inter-
§ 866.6010

alpha trypsin inhibitor (a protein) in serum and other body fluids. Measurement of inter-alpha trypsin inhibitor may aid in the diagnosis of acute bacterial infection and inflammation.

(b) Classification. Class I (general controls).

[47 FR 50823, Nov. 9, 1982, as amended at 53 FR 11253, Apr. 6, 1988]

Subpart G—Tumor Associated Antigen Immunological Test Systems

§ 866.6010 Carcinoembryonic antigen (CEA) immunological test system as an aid in the detection and management of cancer.

(a) Identification. A carcinoembryonic antigen (CEA) immunological test system as an aid in the detection and management of cancer is a device that consists of the reagents intended to measure by immunochemical techniques, such as enzyme immunoassay or radioimmunoassay, CEA in blood, plasma, other body fluids, and tissues. Measurement of CEA levels may aid in the detection and management of cancer.

(b) Classification. Class III (premarket approval) (transitional device).

(c) Date PMA or notice of completion of a PDP is required. As of May 28, 1976, an approval under section 515 of the act is required before this device may be commercially distributed. See §866.3.

[47 FR 50823, Nov. 9, 1982, as amended at 52 FR 17734, May 11, 1987]