

of conducting blood tests for brucellosis except approved veterinarians, employees of the department or federal bureau, and persons taking blood samples under the supervision of the department at slaughtering establishments.

(2) **CONFIRMATION OF RESULTS.** Every veterinarian who applies a brucellosis test to an animal shall, within 24 hours, submit such blood sample to a state animal health laboratory for confirmation. Each blood sample shall be marked with an official identification to identify the animal from which the sample was taken.

History: 1-2-56; am. Register, February, 1962, No. 74, eff. 3-1-62; am. Register, October, 1974, No. 226, eff. 11-1-74; am. Register, December, 1976, No. 252, eff. 1-1-77.

**Ag 10.195 Brucellosis vaccination; official vaccinates.** (1) No bovine animals may be vaccinated against brucellosis or officially reported or identified as having been vaccinated against brucellosis unless vaccinated by an accredited veterinarian with an approved strain 19 brucella vaccine within age ranges and corresponding dosages specified under pars. (a) to (c) for animals of dairy and beef breeds.

(a) Dairy breed animals vaccinated between 60 and 179 days of age with a strain 19 standard dose vaccine containing a minimum of 25 billion live brucella cells.

(b) Beef breed animals vaccinated between 60 and 299 days of age with a strain 19 standard dose vaccine containing a minimum of 25 billion live brucella cells.

(c) Bovine animals of either a dairy or beef breed when vaccinated between 120 and 299 days of age with a strain 19 reduced-dose vaccine containing not more than 10 billion live brucella cells.

(2) To be classified as official vaccinates, animals vaccinated as required under sub. (1) shall be identified as required under s. Ag 10.21 (2) and officially reported to the department as having been vaccinated as required under s. 95.46 (4), Stats.

History: Cr. Register, December, 1981, No. 312, eff. 1-1-82; emerg. am. (1) (c), eff. 4-30-83; am. (1) (c), Register, September, 1983, No. 333, eff. 10-1-83.

**Ag 10.20 Brucellosis test classifications; diagnostic procedures.** (1) **DIAGNOSTIC PROCEDURES.** (a) Supplementary brucellosis tests may be used by the department to confirm or evaluate reactions to the blood serum agglutination or other brucellosis test and for the classification of bovine animals as reactors in herds suspected of being infected with brucellosis on basis of all scientific evidence available.

(b) Animals tested by means of the blood serum agglutination test, or supplementary brucellosis tests, shall be classified as reactors in accordance with test classifications described in subs. (2) and (3), except that animals classified as reactors may be reclassified as suspects pending further testing or examination if in the opinion of the department such animals may not be infected with brucellosis or insufficient evidence exists to make a positive diagnosis.

(c) All cattle from which a *Brucella sp.* organism is isolated on bacteriological examination, shall be classified as reactors regardless of vaccinal status or titers on the brucellosis test.

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(2) **OFFICIAL VACCINATES.** (a) *Blood serum agglutination test.* Officially vaccinated animals tested by means of the blood serum agglutination test (standard tube or plate test) shall be classified according to the following diagnostic table:

Dilutions			Classification
1-100		1-200	
—	—	—	Negative
I	—	—	Suspect
+	—	—	Suspect
+	I	I	Suspect
+	+	+	Reactor

(b) *Supplementary tests.* Regardless of test classification under par. (a), officially vaccinated animals may be classified as reactors in accordance with titers on any one of the following supplementary tests:

Test	Titer	Classification
Complement Fixation	++ 1:40	Reactor
65° Heat Inactivation	Pos. 1:50	Reactor
Rivanol	Pos. 1:25	Reactor
Individual Brucellosis Milk		
Ring Test	Pos. 1:32	Reactor
Card	Pos.	Reactor

(3) **NON-VACCINATED ANIMALS.** (a) *Blood serum agglutination test.* Non-vaccinated animals tested by means of the blood serum agglutination test (standard tube or plate test) shall be classified according to the following diagnostic table:

Dilutions			Classification
1-50	1-100	1-200	
—	—	—	Negative
I	—	—	Suspect
+	—	—	Suspect
+	I	—	Suspect
+	+	—	Reactor
+	+	I	Reactor
+	+	+	Reactor

(b) *Supplementary tests.* Regardless of test classification under par. (a), non-vaccinated animals may be classified as reactors in accordance with titers on any one of the following supplementary tests:

Test	Titer	Classification
Complement Fixation	++ 1:20	Reactor
65° Heat Inactivation	Pos. 1:25	Reactor
Rivanol	Pos. 1:25	Reactor
Individual Brucellosis Milk		
Ring Test	Pos. 1:16	Reactor
Card	Pos.	Reactor

History: 1-2-56; r. and rec. (1) and (2), cr. (3), Register, June, 1965, No. 114, eff. 7-1-65; am. (2) (b) and (3) (b), Register, October, 1974, No. 226, eff. 11-1-74.

**Ag 10.21 Identification of bovine animals. (1) IDENTIFICATION TAG.** (a) Every veterinarian, in conjunction with the testing of bovine animals for brucellosis, tuberculosis, or anaplasmosis, or the vaccination of or the identification of bovine animals, shall insert an identification tag, of a Register, September, 1983, No. 333

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type approved by the department, in the right ear of each animal which is not otherwise identified with such an ear tag. In the case of an