

Ohio Administrative Code

Rule 901:1-5-01 Definition of "brucellosis test".

Effective: August 9, 1968

(A) As used in regulations 901:1-5-01 through 901:1-5-11 "brucellosis test" means one of the
following approved tests, conducted by a licensed-accredited veterinarian or by a laboratory
approved by or operated by the department of agriculture:
(1) Standard plate agglutination test;
(2) Standard tube agglutination test;
(2) Standard took aggrammation test,
(3) Acidified plate antigen test;
(3) Note that the place that the pla
(4) Rivanol precipitation plate antigen test;
(4) Rivanoi precipitation plate untigen test,
(5) Serial dilution milk ring test;
(5) Serial dilution link ring test,
(6) Complement fixation test;
(b) Complement inaction test,
(7) Standard buffered brucella antigen card test;
(7) Standard buriered bruceria unitgen card test,
(8) Mercaptoethanol agglutination test.
(b) Mercaptocthanol agglutillation test.
(B) A licensed-accredited veterinarian, outside an approved laboratory, shall use:
(b) A necessed-accredited veterinarian, outside an approved favoratory, shan use.
(1) The standard plate agglutination method or the standard buffered brucella antigen card test;
(1) The standard plate agglutination method of the standard buffered blucena antigen card test,
(2) The standard buffered brucella antigen card test only if he has received prior written
authorization from the department;
authorization from the department,
(2) The following amounts of blood some and broadle plate entires when an destinate the standard
(3) The following amounts of blood serum and brucella plate antigen when conducting the standard

plate agglutination test:

Blood Serum	Brucella Plate Antigen	Equivalent Dilution
0.08 cc	0.03 cc	1/25
0.04 cc	0.03 cc	1/50
0.02 cc	0.03 cc	1/100
0.01 cc	0.03 сс	1/200

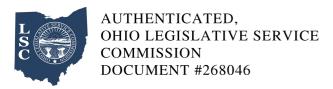
Dilution readings shall be made eight minutes following the mixing of the blood serum and antigen.

(C) Regardless of the standard plate or standard tube agglutination test results, the department may classify animals as positive based upon any one of the following test results:

	Not Official Brucellosis Vacinate	Official Brucellosis Vacinate
(1) Rivanol	+ 1/25	+ 1/50
(2) A.P.A.	+ 3.75 ph	+ 3.25 ph
(3) Serial Dilution (BRT)	+ 1/16	+ 1/32
(4) Complement fixation	+ 1/20	+ 1/40
(5) Merceptoethanol	+ 1/25	+ 1/50

- (D) The department shall classify any animal from which a Brucella sp. organism is isolated by bacteriological techniques as positive regardless of brucellosis test results or brucellosis vaccination status.
- (E) Animals, other than swine, tested by either the standard plate or the standard tube agglutination method shall be classified as follows except that the department may reclassify positive animals to suspect pending further tests and examination.

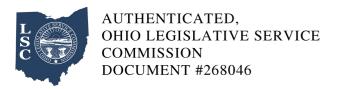
Test Dilutions			1/50	1/100
1/200	Not Official Brucellosis Vaccinate	Official Brucellosis Vaccinate	-	-
-	Susp.	Neg.	+	-



-	Susp.	Neg.	+	-
-	Susp.	Susp.	+	+
-	Pos.	Susp.	+	+
-	Pos.	Susp.	+	+

-	Susp.	Susp.	+	+
-	Pos.	Susp.	+	+
-	Pos.	Susp.	+	+
(F) Swine and herds	of swine shall be cla	assified as follows:		
(1) "Positive" swine	means:			
(a) Any swine disclo	osing a complete agg	lutination reaction in	n the blood titer dilut	ion of 1:100 or
(b) Any swine in an dilution or higher; or		d of unknown status	having a complete re	eaction in the 1:25
(c) Any swine disclo	osing a positive card	test reaction.		
(2) "Negative" swind	e means:			
(a) Any swine from	an infected herd or h	erd of unknown stat	us that:	
(i) Discloses no reac	tion or less than con	nplete agglutination	in the blood titer dilu	ntion of 1:25;
(ii) Discloses a nega	tive card test reactio	n;		
(b) Any swine from	a validated or negati	ve herd that:		
(i) Discloses no reac	tion or less than con	nplete agglutination	in the blood titer dilu	ntion of 1:100;
(ii) Discloses a nega	tive card test reactio	n.		

(3) "Suspect" swine means any swine not classed as positive or negative to a brucellosis test.



- (4) "Infected herd" means any herd in which one or more swine show:
- (a) A complete agglutination reaction in the blood titer dilution of 1:100 or higher;
- (b) A positive reaction to the card test.
- (5) "Negative herd" means any herd in which no swine:
- (a) Have agglutination reactions higher than incomplete at the 1:100 dilution;
- (b) Are found positive to the card test.
- (G) Swine classed as positive or suspect shall be identified by an ear tag or such other method as approved by the department.
- (H) No person shall move swine classed as positive or suspect, or exposed to brucellosis, without prior written permission from the department.