

Accepted Manuscript

Title: Seroprevalence of brucellosis in Mississippi shelter dogs

Authors: Kristina Hubbard, Min Wang, David R. Smith

PII: S0167-5877(18)30224-1

DOI: <https://doi.org/10.1016/j.prevetmed.2018.09.002>

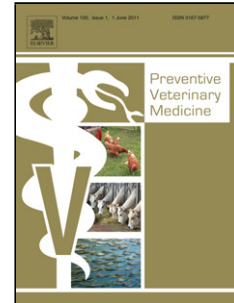
Reference: PREVET 4528

To appear in: *PREVET*

Received date: 26-3-2018

Revised date: 3-9-2018

Accepted date: 3-9-2018



Please cite this article as: Hubbard K, Wang M, Smith DR, Seroprevalence of brucellosis in Mississippi shelter dogs, *Preventive Veterinary Medicine* (2018), <https://doi.org/10.1016/j.prevetmed.2018.09.002>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Seroprevalence of brucellosis in Mississippi shelter dogs

Kristina Hubbard; Min Wang; David R. Smith*

Department of Pathobiology and Population Medicine, College of Veterinary Medicine,
Mississippi State University, 240 Wise Center Drive, P.O. Box 6100, Mississippi State, MS,
USA;

*Address correspondence to Dr. David R. Smith (dsmith@cvm.msstate.edu, 662-325-1344)

College of Veterinary Medicine
240 Wise Center Drive
P.O. Box 6100
Mississippi State, MS 39762

Abstract

Canine brucellosis is an emerging disease and compatible with a One Health management approach. Previous research has found higher prevalence of *Brucella canis* in stray dog populations than in owned animals, and shelter dogs may represent a zoonotic risk to pet owners. Dogs may also contract other *Brucella* spp., including *Brucella suis*, which is carried by some feral swine in the United States and poses a public health risk.

Diagnostic tests for *Brucella* spp. are imperfect. Misclassification of disease status can result in serious repercussions for canine and human health including the unnecessary euthanasia of false positive dogs or failure to identify and remove false negative dogs from susceptible populations. Correct interpretation of any diagnostic test requires knowledge of the pre-test

Download English Version:

<https://daneshyari.com/en/article/10148398>

Download Persian Version:

<https://daneshyari.com/article/10148398>

[Daneshyari.com](https://daneshyari.com)