

Short Communications | Published: 13 August 2018

# No evidence of *Trichinella* spp. in domestic pig carcasses at a selected abattoir in southern Botswana

Basjamsi Ernest Sagwagwe, James Machete, Mpho Ntwaetsile, Borden Mushonga & Erick Kandiwa

*Tropical Animal Health and Production* 51, 1273–1275 (2019) | [Cite this article](#)

355 Accesses | 1 Citations | [Metrics](#)

A [Correction](#) to this article was published on 30 April 2019

This article has been [updated](#)

## Abstract

Trichinellosis is a worldwide zoonosis with genotypes affecting different domestic and wild animals and is widely distributed throughout the world. Species and genotypes of this genus affecting different animals have been identified. Despite its occurrence in Sub-Saharan countries, the presence of trichinellosis in Botswana is yet to be confirmed. The objective of this study was to determine the prevalence of *Trichinella* infection in domestic pigs slaughtered at an abattoir in Gaborone, Botswana. Of the 111 pig carcasses selected, 5 g of crus of the diaphragm was collected from each carcass, trimmed of all fat and fascia and then cut into 1- to 2-g samples. The muscle samples were pooled into 100-g muscle sample and then processed by the OIE prescribed digestion method. A stereomicroscope was used to examine each grid of the Petri dish for the presence of *Trichinella* larvae. No *Trichinella* larvae were found in any digested muscle samples. Future studies should target a wider pig population and other host animals.

Access via your institution →

Buy article PDF

39,95 €

Price includes VAT (Botswana)

Instant access to the full article PDF.

[Rent this article via DeepDyve](#)

[Learn more about Institutional subscriptions](#)

Sections

References

[Abstract](#)

[Change history](#)

[References](#)

[Acknowledgements](#)

[Author information](#)

[Ethics declarations](#)

[Additional information](#)