

Accepted Manuscript

Title: Comparing sheep and cattle to quantify internal markers in tropical feeds using in situ ruminal incubation

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PII: S0377-8401(16)31086-0
DOI: <http://dx.doi.org/10.1016/j.anifeedsci.2017.08.013>
Reference: ANIFEE 13844

To appear in: *Animal Feed Science and Technology*

Received date: 5-12-2016
Revised date: 8-8-2017
Accepted date: 14-8-2017

Please cite this article as: da Silva Reis, Maria José, Santos, Stefanie Alvarenga, Prates, Luciana Louzada, Detmann, Edenio, de Carvalho, Gleidson Giordano Pinto, dos Santos, Antônio Carneiro Santana, de Almeida Rufino, Luana Marta, Silva Mariz, Lays Débora, da Silva Neri, Felipe, de Oliveira Costa, Eduardo, Comparing sheep and cattle to quantify internal markers in tropical feeds using in situ ruminal incubation. *Animal Feed Science and Technology* <http://dx.doi.org/10.1016/j.anifeedsci.2017.08.013>

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Comparing sheep and cattle to quantify internal markers in tropical feeds using in situ ruminal incubation

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Highlights

- In situ incubation to obtain Internal markers in sheep must be longer than cattle.
- Internal markers from sheep trials can be in situ incubated for 216 hours in cattle.
- IADF is not recommended as internal marker for concentrates.

ABSTRACT

The main focus of this work was to verify the hypothesis that there are differences between cattle and sheep to obtain internal markers in tropical forages using in situ ruminal incubation. A presupposition that the indigestible fraction is exclusively inherent to feed was considered, and its ruminal incubation in different animal species should not change the estimate of this fraction; but should change the minimum time required to obtain this value, or the critical-time (Tc). The Tc to obtain indigestible fractions were

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