

**NONINVASIVE MONITORING OF CORTISOL METABOLITES IN CAPTIVE
AND FREE-RANGING ROE DEER (*CAPREOLUS CAPREOLUS*).**

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Abstract

Fecal 11,17-dioxoandrostanes (11,17-DOA) were measured in 13 free-ranging and 14 captive roe deer (*Capreolus capreolus*) in order to evaluate the effect of captivity on this parameter and its usefulness as an indicator of chronic stress in this species. Furthermore, fecal 11,17-DOA were analyzed before and after a nine hours transport in 20 roe deer to evaluate the transport stress response and the effect of acepromazine on it. The 11,17-DOA enzyme immunoassay described by Palme and Möstl (1997) was used for the analyses.

Zusammenfassung (?)

Résumé (?)

Key words

Cortisol, fecal, monitoring, roe deer, *Capreolus capreolus*.