



Sensitivity of rabbit to ampicillin, gentamicin and their association

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► To cite this version:

L. Escoula, R. Camguilhem, G. Larrieu, J. Moré. Sensitivity of rabbit to ampicillin, gentamicin and their association. *Annales de zootechnie*, 1980, 29 (4), pp.438-438. <hal-00888019>

HAL Id: hal-00888019

<https://hal.science/hal-00888019v1>

Submitted on 11 May 2020

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Studies on virginiamycin in growing rabbits

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Three groups of N.Z.W. female rabbits fed for 17 — 31 — 45 — 52 — 59 — 66 — 73 days with a diet containing 0 — 10 — 20 ppm of Virginiamycin respectively, were analysed to study the differences in animal performances. Live weight, cold carcass weight, 4/4 weight, body-weight increase, feed conversion ratios and slaughtering yield were considered. No significant differences were observed from the variance analysis with the administration of the three levels of Virginiamycin.

Sensitivity of rabbit to ampicillin, gentamicin and their association

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Oral administration of either Ampicillin (20 mg/kg), Gentamicin (10 mg/kg) or both to growing rabbits resulted in a weight loss (5 to 6 p. 100) due to a decrease in feed intake.

Ampicillin induced a reduction in volatile fatty acid production and the caecal storage of ammonia; it allowed the overgrowth of *Enterobacter aerogenes*. Only Gentamicin could be detected in various organs of rabbits twenty four hours after the last administration.

Incorporation of straw into growing rabbit diets

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Five experiments were made to study the possible incorporation of straw treated with 2 p. 100 sodium hydroxyde compared with untreated and ground straw. The diets for fattening rabbits contained 10, 20 or 30 p. 100 straw.

Growth was not affected by the percentage of straw, treated or not, but the daily feed intake and the conversion ratio increased linearly with the straw content of the diet.

The economic interest of this raw material is discussed.
