

ERRATUM

Low-cost mobile open-circuit hood system for measuring gas exchange in small ruminants: From manual to automatic recording

C. FERNÁNDEZ, M. C. LÓPEZ AND M. LACHICA

DOI: doi.org/10.1017/S0021859615000416, published by Cambridge University Press, 11 May 2015

In the above mentioned article (Fernández et al. 2015), we regret to announce that Table 2 contained an incorrect footnote.

The correct version is supplied below.

Table 2. Daily energy ($\text{kJ/kg}^{0.75}$ BW) and carbon–nitrogen ($\text{g/kg}^{0.75}$ BW) balances, heat production (HP) and retained energy (RE) of female dry Manchega sheep ($n = 12$; 58 ± 1.2 kg BW as average; four sheep per diet) with the three offered diets based on cereal grain (CGR), fibrous by-products (FBP) and alfalfa hay (ALH) calculated by indirect calorimetry (RQ method) and carbon–nitrogen balance (CN method)

| | CGR | FBP | ALH | S.E.M. | <i>P</i> value |
|----------------------|------|------|------|--------|----------------|
| Gross energy intake | 786 | 801 | 1010 | 35.1 | |
| Energy in faeces | 212 | 214 | 445 | 34.0 | |
| Energy in urine | 20 | 26 | 34 | 4.2 | |
| Energy in methane | 40 | 51 | 58 | 2.8 | |
| MEI | 514 | 511 | 474 | 14.3 | 0.530 |
| RQ method | | | | | |
| HP | 431 | 404 | 462 | 15.5 | 0.046 |
| RE* | 83 | 107 | 11 | 17.8 | 0.041 |
| CN method | | | | | |
| C intake | 18 | 18 | 26 | 1.1 | |
| C in faeces | 4.2 | 4.4 | 11.1 | 0.98 | |
| C in urine | 0.72 | 0.50 | 0.80 | 0.054 | |
| C in CO ₂ | 10 | 10 | 11 | 0.3 | |
| C in CH ₄ | 0.72 | 0.92 | 1.05 | 0.051 | |
| C retained | 2.2 | 2.7 | 1.1 | 0.40 | |
| N intake | 1.1 | 1.1 | 1.4 | 0.05 | |
| N faeces | 0.29 | 0.33 | 0.50 | 0.031 | |
| N urine | 0.43 | 0.32 | 0.33 | 0.031 | |
| N retained | 0.42 | 0.43 | 0.56 | 0.056 | |
| RE [†] | 104 | 132 | 49 | 20.2 | 0.011 |
| HP [‡] | 410 | 379 | 425 | 14.4 | 0.011 |

S.E.M., standard error of mean; degrees of freedom = 2; MEI, metabolizable energy intake; RQ, respiratory quotient; CO₂, carbon dioxide; CH₄, methane; C, carbon; N, nitrogen.

* Calculated as RE = MEI – HP.

† Calculated as RE = 51.8 × C retained – 19.4 × N retained.

‡ Calculated as HP = MEI – RE[†].

REFERENCE

- C. FERNÁNDEZ, M. C. LÓPEZ and M. LACHICA. Low-cost mobile open-circuit hood system for measuring gas exchange in small ruminants: From manual to automatic recording. *The Journal of Agricultural Science*, available on CJO2015. doi.org/10.1017/S0021859615000416.