

Blood biochemical characteristics of Binlang pigs at different age and gender ⁽¹⁾

Sheng-Yang Wu ⁽²⁾ Shih-Sin Li ⁽²⁾ Yi-Long Chen ⁽²⁾ Han-Sheng Wang ⁽³⁾ Yu-Ling Huang ⁽⁴⁾
and Chang-Chia Chang ⁽²⁾⁽⁵⁾

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Abstract

The purpose of this study was to establish the blood biochemical values of the Binlang pig for diagnostic or experimental research purposes. A total of 19 blood biochemical indicators were measured using an automatic biochemical analyzer, and comparisons were made between pigs of the same age but different genders, as well as between pigs of different ages but the same gender. The results showed significant gender differences ($P < 0.05$) in the blood biochemical values of glutamyl transpeptidase (GGT), total cholesterol (CHOL), and blood urea nitrogen (BUN) at 3 months of age, and in the blood biochemical values of alkaline phosphatase (ALP) and BUN at 6 months of age. However, no significant differences were observed between genders in the other indicators ($P > 0.05$). Furthermore, when comparing the blood biochemical values between the 3-month-old and 6-month-old groups, significant differences were found ($P < 0.05$) in aspartate transaminase (AST), alanine transaminase (ALT), ALP (U/L), serum albumin (ALB), total protein (TP), creatinine (CREAT), magnesium (Mg), sodium (Na), and chloride (Cl), but not in the other biochemical indicators ($P > 0.05$).

Key words : Binlang pig, Biochemical values, Blood.

(1) Contribution No. 2761 from Taiwan Livestock Research Institute (TLRI), Ministry of Agriculture (MOA).

(2) Eastern Region Branch, MOA-TLRI, Ilan 268, Taiwan, R. O. C.

(3) Guansi Township Office, Hsinchu County.

(4) Kaohsiung Branch, Animal and Plant Health Inspection Agency, Ministry of Agriculture.

(5) Corresponding author, E-mail: janices@mail.tlri.gov.tw.