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The metabolic profile test combines the most commonly used clinical blood analyses in a single system and is based on the identification of abnormalities on statistical deviations from the population mean. The purpose of the present study was to identify, in a Saanen goat herd, the physiological values of blood cellular components, of serum electrolyte concentrations, of serum proteins and biochemical components and of serum enzyme activities in order to establish a standard metabolic profile to be used as a monitor of the health of intensively bred animals whose metabolism is subjected to severe strains. In addition, possible significant variations between dry and lactating goats and between goats in different lactations (first and second) were studied by analysis of variance. Blood samples were drawn during the winter from a herd of Saanen goats reared exclusively inside a goathouse. One hundred ten goats were randomly selected: 30 dry goats about 30 days before delivery and 80 goats during the second month of different lactations (50 in the first and 30 in the second lactation) were sampled once only. The results (mean+SD) indicate that significantly ($P < 0.05$) higher values of erythrocytes, triglycerides, alpha globulins, CPK, alpha HBDH, and LAP were found in dry goats in comparison with lactating goats, whereas the following values were lower: hemoglobin, MCH, MCV, calcium, magnesium, cholesterol, total proteins, SDH, gamma GT, LDH, ICDH, GLDH. First lactation goats displayed significantly ($P < 0.05$) higher values of hemoglobin, MCH, MCV, pyruvate and lower values of total proteins than second lactation goats. No significant changes ($P > 0.05$) in the PCV, MCHC, leukocytes, neutrophils, eosinophils, basophils, lymphocytes, monocytes, phosphorus, glucose, lactate, blood urea nitrogen (BUN), creatinine, albumin, total lipids, beta and gamma globulins, A/G ratio, ALT, AST, OCT, aldolase, alkaline

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