

Study the blood indicators for common carp fish *Cyprinus carpio* L. in the Euphrates river in the section passing through the city of Samawah

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ABSTRACT:

The blood indicators for the common carp (*Cyprinus carpio* L) was estimated from the Euphrates river in the section passing through the Samawah area in the Al- Khader region at different ages, weights, lengths, gender and temperature differences during the study period (five months). If groups of fish were selected every month. A group of three fish were selected by weight. Group A was with a mean weight of 140 ± 4 g, group B was with 450 ± 4 g and group C was with 800 ± 4 g with length of 26 ± 2 cm, 40 ± 2 cm and 60 ± 2 cm for groups A, B and C respectively. The results showed a difference in the measurements of the blood with the increase in age, height and weight off the fish groups. It reached high in the group C (0.70 ± 0.11 cell $\times 10^6$ mm³, 207 ± 3.6 cell $\times 10^3$ mm³, $42 \pm 2.8\%$, 12.6 ± 0.4 g/dl, 167 ± 1.98 mg/dl) for RBC, WBC, PCV, Hb and glucose respectively, and there showed no differences in the blood parameters within the same group. However, differences were observed between the same sex groups ($P < 0.05$) for blood standards between coefficients at different temperatures during the months of the study.

Keywords:

Blood measurements, Common carp, Euphrates river.