Title : Erythrocyte Morphology of Striped Snakehead Fish (*Channa striata*) and Redtail Black Shark (*Epalzeorhynchos bicolor*)

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ABSTRACT

This study analyzed the erythrocyte morphology of striped snakehead fish (*Channa striata*) and redtail black shark (*Epalzeorhynchos bicolor*). The blood preparation was directly obtained from cardiac puncture. The blood smear was stained by Wright-Giemsa and the erythrocyte morphology was observed under a compound light microscope at 1000x magnification. The erythrocyte and its nucleus were measured and calculated to determine the nucleus area (square micrometer, μm^2), erythrocyte area (square micrometer, μm^2), and nucleocytoplasmic ratio. The results showed that the respective nucleus area, erythrocyte area, and nucleocytoplasmic ratio for each species as follows: 10.08 ± 1.37 μm^2, 45.07 ± 4.87 μm^2, and 0.23 ± 0.03 for striped snakehead fish; and 11.13 ± 5.20 μm^2, 57.77 ± 4.79 μm^2, and 0.19 ± 0.09 for redtail black shark.

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