

**Effect of increased exercise on myosin concentration in the muscles of the euryhaline killifish, *Fundulus heteroclitus*.**

The effects of increasing amounts of exercise on the concentration of myosin in the muscles of *Fundulus heteroclitus* were tested over a 21 day period after an initial 5 day acclimation period. Differing water flow rates were used to induce higher activity levels and an increase in muscle contraction from *F. heteroclitus*. A visual comparison of electrophoretically separated proteins indicated a decrease in the concentration of myosin and all other proteins as a function of increased water flow rate.