Short Reports

Relationship between Oxygen Uptake and Work Performance of Female Fischer 344 Rats in Response to Treadmill Exercise

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Abstract

This study was undertaken to determine the oxygen uptake (VO₂) and work performance of female Fischer 344 rats in response to treadmill exercise. A linear relationship between VO₂ and running speed was investigated. Although it was difficult to set running speed as equal to %VO₂ max at less than 50% VO₂ max, several %VO₂ max intensities (>50%VO₂max) could be estimated as equal to the running speed in female Fischer 344 rats.