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Principles of Variation of Energy Metabolism in Taenia Solium cysticerci

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Abstarc :

Metabolites and enzyme activities involved in energy metabolism in Taenia solium cysticerci were determined systematically in vivo in order to illustrate the principles of variation of energy metabolism. Metabolites and enzymes determined included GLC, LAC, PEPCK, PK, LDH, SDH, ICD, XOD, ME, GDH, FR, ATPase, ACP, AKP, G6Pase and FE. The results showed that transport of substances, anaerobic glycolysis, aerobic glycolysis, partial inversed tricarboxylic acid cycle, tricarboxylic acid cycle, fat decomposing, amino acid decomposing, xanthine decomposing metabolism was almost the same as those in other helminthes, and the pathways of energy metabolism enhanced from immature state to mature state while the PK activities declined. [Nature and Science. 2004;2(3):91-94].

Key Word :
Taenia solium cysticerci; energy metabolism; enzyme activity

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