

2. Zastosowane środki narkotyczne (morfina i etanol) obniżają aktywność metaboliczną komórek.

3. Morfina i etanol posiadają skojarzony efekt działania na aktywność dehydrogenazy izocytrynianowej.

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Isocitric dehydrogenase activity in intoxicated mice

Summary

Isocitric dehydrogenase (ICDH) is one of the enzymes that take part in key metabolic pathways in the cell. ICDH is an indicator enzyme and its activity in blood serum is a marker of cell membrane permeability.

The purpose of this experiment was to determine ICDH activity in blood serum of intoxicated mice. The animals under study were divided into four groups. The first was a control group, the second received morphine, the third - morphine and ethanol, while in the fourth group ethanol only was administered. ICDH activity was determined using the Bell and Baron colorimetric method. ICDH activity was found to be lower in intoxicated mice as compared to the control group.

Key words: isocitric dehydrogenase/intoxicated mice/morphine/ethanol

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