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HORMONAL CHANGES IN RABBITS AGAINST THE BACKGROUND OF THE ADAPTOGEN LITHIUM ASCORBATE USING

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Relevance and purposes of the research

- ▶ **Improvement of production ways of livestock products, providing increased stress resistance, nonspecific resistance and productivity of animals.**
- ▶ **The purpose of the research was to study the effect of adaptogen lithium ascorbate in the standard technological cycle of cultivation and the effect of stress on hormonal changes in rabbits.**

Схема исследований на кроликах

Control group	Saline solution
Experimental group	Lithium ascorbate 10 mg/kg of live weight

10 mg /kg of live weight The duration of the experiment was 1 month.

The drugs were drunk 5 days a week.

The concentration of epinephrine and norepinephrine in the blood of rabbits mcg / l

	Control group	Experimental group
At the beginning of the experience		
Epinephrine, mcg/l	21,9±2,6	21,8±2,8
Norepinephrine, mcg/l	34,3±2,5	34,3±2,0
Cortisol, nM/l	18,1±1,1	18,1±0,7
At the end of the experience		
Epinephrine, mcg/l	43,2±4,8	29,1±2,5
Norepinephrine, mcg/l	76,3±5,9	57,0±4,1
Cortisol, nM/l	53,9±3,3	23,7±1,1

Conclusions

- ▶ **Balanced activation of stress-implementing (sympathoadrenal and hypothalamic-pituitary-adrenal) systems by the action of lithium ascorbate determines the development of an adequate adaptive response to external influences.**
- ▶ **The use of the adaptogen lithium ascorbate makes it possible to neutralize negative stress effects and improve the output quality of products and overall productivity of rabbits.**



Thank you for your attention!