

COMBINED INACTIVATED CELLS OF FUNGI *C. ALBICANS* AND *C. TROPICALIS* IN THE PREVENTION CANDIDIASIS

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As in developed countries and in Ukraine there are difficulties of diagnosis and treatment of candidiasis. Among patients with a fatal outcome, have not received adequate treatment is one of the first places are candidiasis. Many researchers believe that the use of drugs that can stimulate protective immune responses against *Candida* infection, whatever vaccine is a promising direction in the fight against *Candida* and an alternative antifungal drugs.

The purpose of this study to investigate the ability of inactivated cells fungi *C. albicans* and *C. tropicalis* together to form immunity against *Candida* infections.

Comprehensive inactivation associated cell suspension fungi *C. albicans* and *C. tropicalis* performed consistently using first physical processing, and chemical, inactivated at 50 ± 2 ° C for 1 hour. Then the suspension mushrooms added 0.5% formalin and left overnight at 25 ± 2 ° C. To study the optimal composition associated inactivated cell suspension fungi *C. albicans* and *C. tropicalis* were produced several variants with different suspensions containing cells of these strains (mln.kl. / ml): 2.5 + 2.5; 5 + 5; 4 + 6; 6 + 4; 10 + 10; 8 + 12; 12 + 8 (mln.kl./ml). The study was conducted in white mice. Mice were intramuscularly in the upper part of the back paws injected twice inactivated cells of fungi *C. albicans* and *C. tropicalis* in a volume of 0.2 ml. After 1 month of a group of test animals and 3 months for the second group of test animals after administration of inactivated cells was performed intraperitoneally hybiv *Candida* infection.

As a result of studies found associated inactivated cell suspension fungi *C. albicans* and *C. tropicalis*, comprising (mln.kl./ml) 10 + 10; 8 + 12 and 12 + 8 at 1 and 3 months after re-entering protected from infection 84% of the animals. At the time when 16% of the animals were observed minor manifestations of the disease, unkempt appearance, refusal of food, weight loss body dysfunction excretory organs. Given the fact that the associated suspension cells inactivated fungi *C. albicans* and *C. tropicalis*, containing 10 + 10 (mln.kl./ml) is preparing a little easier than other relationships and further simplifies the calculations, it is more appropriate for further research This dose was chosen.

Thus suspension cells of fungi can be used to create a vaccine-associated candidiasis.