

accordance with the requirements of GMP we have all: shopfloors and engineering systems for creation of the special terms of production of pharmaceutical equipment, skilled personnel, system of providing of quality, clearly worked out system of documentation, control on all stages of production.

### CHECKING THE QUALITY OF CHILDREN'S NUTRITION

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**Introduction** Children are the future of mankind, thus the quality of baby food should be of primary importance to any country. In our time, the crazy rhythm of life for parents comes to the aid of a wide range of specialized products for children of all ages. It is necessary to be careful, as the development and health of the child will depend on the choice.

**Aim** Determine the microbiological parameters in canned nutrition for children under one year of their discovery.

**Materials and methods.** Materials - samples of children's canned nutrition of five popular brands on the Ukrainian market (after their opening, taking into account the expiration date and storage conditions). For the study, the following environments were used as: Codex and further hang on Endo agar, Thioglycolic medium (TGS), Meat peptone agar (MPA). When performing the experiment, officially permitted research methods were used.

**Results and discussion.** After the checking was completed, the following results were obtained. Immediately after opening of caned nutrition, an analysis was performed that showed that all specimens were sterile. Over time, in the sample number 1, the number of colony-forming units was  $2.42 \times 10^3$  CFU/g; №2— $4.3 \times 10^2$  CFU/g; №3— $1.1 \times 10^1$  CFU/g; №4— $1.1 \times 10^1$  CFU/g; №5 - growth was not detected (possibly due to preservatives not declared by the manufacturer). The total number of colony-forming units (CSFs) in each of the samples was not exceeded, in accordance with the sanitary-epidemiological rules and norms for special food products (medical, dietary, baby food products, etc.). In all specimens of the bacteria, the E. coli group was not detected. But after a longer period of time than the one indicated on the marking of each sample, the number of CSUs has increased, so it is necessary to closely monitor the time of opening the baby food.

**Conclusions.** Hence, in the Ukrainian market, canned nutrition meet the standards, and are safe for the future generation. At the same time, parents should be careful, and watch out for the terms of opening and conditions for the preservation of canned nutrition. It is desirable, after opening, to feed the baby immediately, or to eat it himself, or to dispose of it, in order to preserve the child's health.

### INFECTIOUS FACTOR AS A TRIGGER MECHANISM OF AUTOIMMUNE PROCESS (MYASTHENIA GRAVIS)

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**Introduction.** Autoimmune disease is one of the most complex problems of modern clinical immunology. More than twenty theories are proposed that explain the causes of the breakdown of tolerance and, as a consequence, the development of autoimmunity.

Recently, the classic postulate that autoimmune reactions develop exclusively on their own antigens, have been subjected to serious revision, since it has been established that the inflammatory foci for some autoimmune diseases are not aseptic, but, on the contrary, contaminated with microorganisms. Special role belongs to intracellular pathogens (microorganisms). From the centers demyelination in patients with multiple sclerosis isolated human herpesvirus type 6. There is information about the role of some strains Klebsiella and other types of Enterobacteriaceae in the development of peripheral arthritis in