

Lipids refer to structural components of cells; they can combine with other substances to produce composite cellular structures. They perform protecting, transporting, regulating functions and play a big part in growth, thermoregulation, adipopexis, and energy exchange in the organism. Lipids deposit energy in a cell. They are involved in energy transformations in mitochondria, hormone and immune processes, cell differentiation, regulation of gene activity and cell cycle.

Lipids can be predecessors of the synthesis of some vitamins and hormones, particularly those of local action. Membrane enzymes activity correlates to the lipids contained in the membranes.

Lipids are the most important components of membranes and other interface surfaces between hydrophobic intracellular regions and liquids. Biological functions of membranes correlate to the ratio of separate structural lipids available in the membranes. Different animals have ontogenetic peculiarities of lipid exchange.

An experiment was carried out on the SSF experimental training farm «Tulinskoye» of Novosibirsk State Agrarian University. Precocious Meat pigs of Novosibirsk breeding (SM-1) were the objects to examine. They are well adapted to local natural and climatic conditions. The animals of control fattening and aged 6 months were examined. The offspring from six Precocious Meat boars (Svetly 1704, Sovet 1618, Sayan 225, Som 69, Sobol 139, and Signal 1440) were under the control in the experiment. The pigs were kept following the technology for complexes and farms.

The amount of general lipids was determined in the blood serum of six-month SM-1 pigs different in genotypes. Statistical processing of the data obtained was done with the package of software MS Excel and Statistica 6.

According to the experimental data the differences in the amount of general lipids in the blood serum of the progenies from genotypically different pigs was identified. The data obtained showed the greatest difference in the changes of the general lipids content in blood between the progenies of Signal 1440 and Sovet 1618. The difference made up 33,64% ($p < 0,001$). The depth of fat in the gilts of Signal 1440 was bigger than that in the same aged Sovet 1618 because fat depth directly correlates to the concentration of lipids in blood serum. The examinations carried out allow to suggest that the parameters of lipids exchange may be employed when evaluating pigs' productivity.

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TO QUESTION ABOUT THE THIRD ALARM SYSTEM

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At the beginning there was Word, and God had Word, and Word was God (1:15). So Sainted Blagovestvovanie begins from Ioanna in New Testament. The first Russian Nobel laureate on physiology of I.P. Pavlov (1904) on the basis of long-term study of higher nervous activity considered also, that Word from all variety of living organisms inherently only to the man, and named his second alarm system.

Appearance of the written language many linguists also consider the no less important stage of development of Humanity, what appearance of Word, because in exposition and writing sense-organs and different departments no less participate nervous, endocrine and other systems of organism of man.

Further study of zoophysiology and man in the second half 20 ages and beginning of a 21 age grounds not only to talk about the third alarm system but also search the mechanisms of management this system. So what is it possible to designate as there is the third alarm system? If Word and written Language can be named the second alarm system, and it is done Cyril and Methodius much for development of Humanity, by the third alarm system, in our view, it is necessary to count spirituality.

Conception of spirituality as well as concept of morality, closely associated, from old times used people in the different types of activity. Why, in our view, can spirituality be attributed to the third alarm system? I.P. Pavlov, as an elder of the world physiologists, examined a word as signal of signals voice, visile (writing word), vivid, concept, like vasa vasorum (our formulation), as complex system concepts and signals. The concepts of shower and spirituality are also CPLD between itself as an anatomy and physiology, structure and function, is two sides of one medal or coin, to one universe.

Examining these concepts is necessary deeply and widely, in ontogenesis and phylogenesis, in space and in time. A bioreceptivnyy genetic code can help herein. If on morphology of chromosomes presently we have much scientific information, maps are developed even with localization of genes in chromosomes, in area of the soul we have dim and litigious morphological presentations.

Spirituality it is the physiological state, related to education in ontogenesis and culture, presenting the process of onto- and phylogenesis development anymore. This development is passed on an inheritance in which bioreception, bioreceptivnyye

or bioenvironmental reflexes and bioreceptivny genetic code co-star. Therefore 3 transferred komponenta of any bioenvironmental system it is possible to consider the basic mechanisms of development of the bioenvironmental systems, their co-operation can be named the third alarm system in physiology.

For whom and is the third alarm system for what needed? For education of people. For what education? For patriotic education on all planet. It is important to love a planet as Motherland is Mother, to save it as Child, to protect it as Homeland. Is it possible to be engaged in patriotic education in one separately taken country? It is possible, but it will remind the construction of communism. Therefore patriotism is nearer to socialism and communism, what to nationalism or nazism. It is

possible the center of patriotic education and it is needed to leave Volgograd. It is simultaneous large responsibility.

UNO executes the functions, but consider not always by it, also however were quits with the referendum of people for the maintainance of the USSR. Therefore UNO is needed help. And creation of World folk front and Center of Patriotic Education must not prevent work of UNO.

02.06.2011-150 year of Incorporated Italy. Parallell: CSV = Caricyn, Stalingrad, Volgograd = Central Advice of Education on a planet.

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