Founded in 1896, the Gromashevsky Institute of Epidemiology and Infectious Diseases, of the Academy of Medical Science of Ukraine, is the leading research organization for intestinal, viral, zoogenic and nosocomal infections.

The Institute specializes in the diagnosis, treatment and prophylaxis of sharp intestinal infections, including cholera; infections in children (diphtheria, measles, German measles, poliomyelitis, mumps); viral infections (AIDS, flu, viruses hepatitis, meningoencephalitis); zoogenic infections (leptospirosis, rabies, anthrax); and hospital infections.

Currently, the Institute employs 373 staff members, including 27 Doctors of Science and 40 Ph.D.s. The Institute comprises seven research departments dealing with epidemiology, microbiology, immunology, virology, parasitology, biology and biotechnology. The Institute also houses the Center of AIDS Epidemiology and Prophylaxis, Ukrainian Center of Flu, Ukrainian Center for Infectious Control; Center of Rabies and Leptospirosis; and the Center of Immune-biological preparations. The Clinic for Infectious Disease, the primary center for the Ukraine, contributes to the improvement of diagnostics and treatment of infectious diseases.

The Institute has a state depository of patentable strains, national collection of pathogenic microorganisms, and a laboratory for quality control and safety of immune-bio-preparations.

Areas of Basic Research:
- Microbiological monitoring of antibiotic resistance in opportunistic microorganisms performed with WHONET application software;
- Novel probiotics;
- Prophylaxis, localization and sanitation of cholera sparks;
• Etiologic interpretation of dysbacterioses;
• Investigations into presence of helminthes ova, larva’s & parasitic agents;
• Immunoglobulin preparation for the treatment of gram negative sepsis;
• Microbe-free vaccine against anthrax for human immunization;
• Anti-rabies peroral vaccine for immunization of wild animals;
• Assessment for protection of children with serious chronic diseases from infections by means of specific immunoprophylaxis;
• AIDS, viral hepatitis, meningocencephalitis, influenza, parasitoses, enteroviruses, infections in children;
• HIV/AIDS monitoring system; and
• Methodology for the prevention of perinatal Hepatitis B.

Technologies for Commercialization:
• Improvement of polymerase chain reaction (PCR) methods for early diagnostic of HIV infection;
• Test-systems for revealing antibodies against HIV, Hepatitis B, C viruses.
• Antigenic leptospire erythrocyte diagnosticum;
• Method of strain-specific anti-influenza antibody determination;
• Immunodiagnosticum for antibodies against gram-negative bacteria;
• Human anti-rabies immunoglobulin;
• Herpes virus thymidine kinase activity inhibitor;
• HIV and reverse transcriptase inhibitor;
• HIV inhibitor with immunostimulating property;
• Etiological human immunoglobulin against influenza; and
• Test-system for detecting antibodies against Epstein-Barr virus.

Manufacturing Technologies for Medical Preparations:
IZATIAZON (anti-herpetic preparation), BIOSPORIN (anti-diphtheria and anti-candida preparation), SUBALIN (regulator of endogenous interferon), 6-AZACYTIDINE (antiviral and anti-mycoplasma preparation), BACTERIAL LECTIN (antiviral preparation), and ALTABOR (antiviral preparation – influenza virus neuraminidase inhibitor, HIV and herpes virus inhibitor).

The Institute has been cooperating with research organizations from U.K., France, Denmark, Germany, USA, Canada, and other countries, and has been the recipient of grants from multiple international organizations, including the WHO, STCU, INTAS, NATO.
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