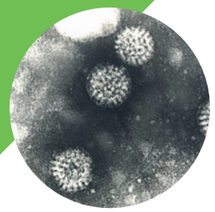
Health Research and Surveillance



Evandro Chagas Institute (IEC), linked to the Health Surveillance Secretariat (SVS) of Ministry of Health (MS), operates in surveillance and scientific researches, animal breeding and husbandry for experimentation, aiming at the production and dissemination of knowledge and technological innovations that result in improvements to public health policies.

IEC carries out researches in biological sciences, environment, and tropical medicine aiming at identification and management of medical and health problems, with emphasis on Brazilian Amazon. These studies range from classic epidemiological models, with field work, to advanced diagnostic tools, among them the nanomolecular identification, electron microscopy, genomics, proteomics and georeferencing.

In the areas of activity of the IEC, not only stand out diagnosis of rare diseases and syndromes, but also the studies of diversity, genetics and the evolution of identified etiological agents and development new research and diagnostic protocols.

The IEC's areas of expertise include not only the diagnosis of rare diseases and syndromes, but also studies of the diversity, genetics, and evolution of identified etiologic agents and the development of new research and diagnostic protocols.

THE MAIN STUDIES OF IEC FOCUS ON

- VIRUS
- FUNGI
- BACTERIA
- PARASITES
- ENVIRONMENT

FROM THESE RESULTS, IEC GENERATES

- Clinical Studies
- Scientific Publications
- Internship and Scientific Initiation Programs
- Sci-Tech Education in High School and Postgraduate Studies
- Spread of Scientific Information to Society
- New Technological and Scientific Discoveries
- Diagnostic Inputs and Kits for Diseases
- Information and Data in Fighting Diseases
- Formation of Scientific Cultural Heritage

Stay informed about IEC with our portal

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INSTITUTO EVANDRO CHAGAS
SECRETARIA DE VIGILÂNCIA EM SAÚDE E AMBIENTE

(91) 3214-2000 - ascom@iec.gov.br
Rodovia BR-316 KM 7 s/n - Levilândia
67030-000 - Ananindeua, PA

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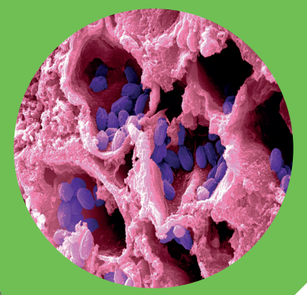
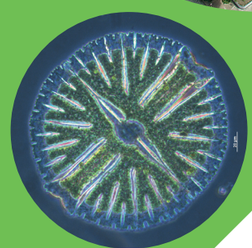
SCIENCE AND TECHNOLOGY IN SERVICE OF PUBLIC HEALTH





BRASIL BEM CUIDADO
MAIS SAÚDE PARA QUEM MAIS PRECISA

SUS

MINISTÉRIO DA SAÚDE

GOVERNO FEDERAL
BRASIL
UNIÃO E RECONSTRUÇÃO

Reference in Diagnosis

IEC is one of the main diagnostic reference centers in the country, recognized by national and international organizations, such as the Pan-American Health Organization (PAHO) and the World Health Organization (WHO), and acts in nine areas:

- Arbovirology and Hemorrhagic Fevers
- Bacteriology and Mycology
- Hepatology
- Environment
- Pathology
- Parasitology
- Virology
- Breeding and Production of Laboratory Animals
- Primatology

Besides these areas, IEC has, as a differential in its structure, the Epidemiology Service, the Electronic Microscopy Laboratory, the Publishing Center (NED), the Technological Innovation Center (CIT), and the Geoprocessing Laboratory.

National Center of Primates (CENP)

Largest Primatology Center in Latin America in species diversity

BSL3 and ABSL3 Laboratories

Research and diagnosis with high biological risk pathogens: Ebola, avian influenza, arboviruses, arenaviruses, hantaviruses and others.

Education

Focused on the training of new researchers, IEC also has the Teaching and Post-graduate Center (NEP), which concentrates all the initiatives in the teaching field:

- Postgraduate Program in Virology (PPGV)
- Postgraduate Program in Epidemiology and Health Surveillance (PPGEVS)
- Institutional Scientific Initiation Scholarship Program (PIBIC)
- Technical Course in Clinical Analysis
- Library

Postgraduate Program in Virology (PPGV)

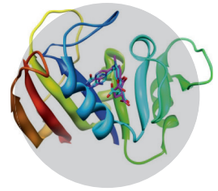
The first of its kind in Brazil and Latin America.

In addition to the programs offered by NEP, the Institute collaborates with the formation and qualification of professionals in all its areas of activity. Through partnerships with several national and international institutions, it offers theoretical and practical courses, as well as technical assistance for the implementation of laboratory diagnostics, field research, and preparation of manuals and technical guides for diseases of public health importance.

Technical Course in Clinical Analyses (CTLAB)

To serve the Unified Health System (SUS) and recognized by the MEC. In operation since the 1940s.

Acting in Scientific Researches

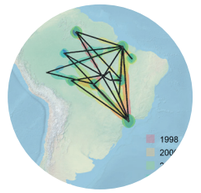


Genomics, proteomics and nanotechnology
Development of new, faster, more sensitive, and specific diagnostic approaches, and therapeutic targets.

Viral and parasitic vector-borne diseases
Emphasis on arboviruses, malaria, leishmaniasis, and Chagas disease.

Health surveillance of
hemorrhagic, icteric, diarrheal, respiratory, and exanthematous syndromes.

Health and environment
in populations exposed to the risk of pollutants in the Amazon and other ecosystems.



Molecular Epidemiology, Bioinformatics, and Georeferencing
with the improvement of health surveillance in the Amazon.

Biodiversity as a health promoter
and reservoir of diseases in the region.

Water-borne diseases
and water quality.

Etioepidemiology of endemics
and epidemics; and environmental pollution in Amazonian indigenous communities.