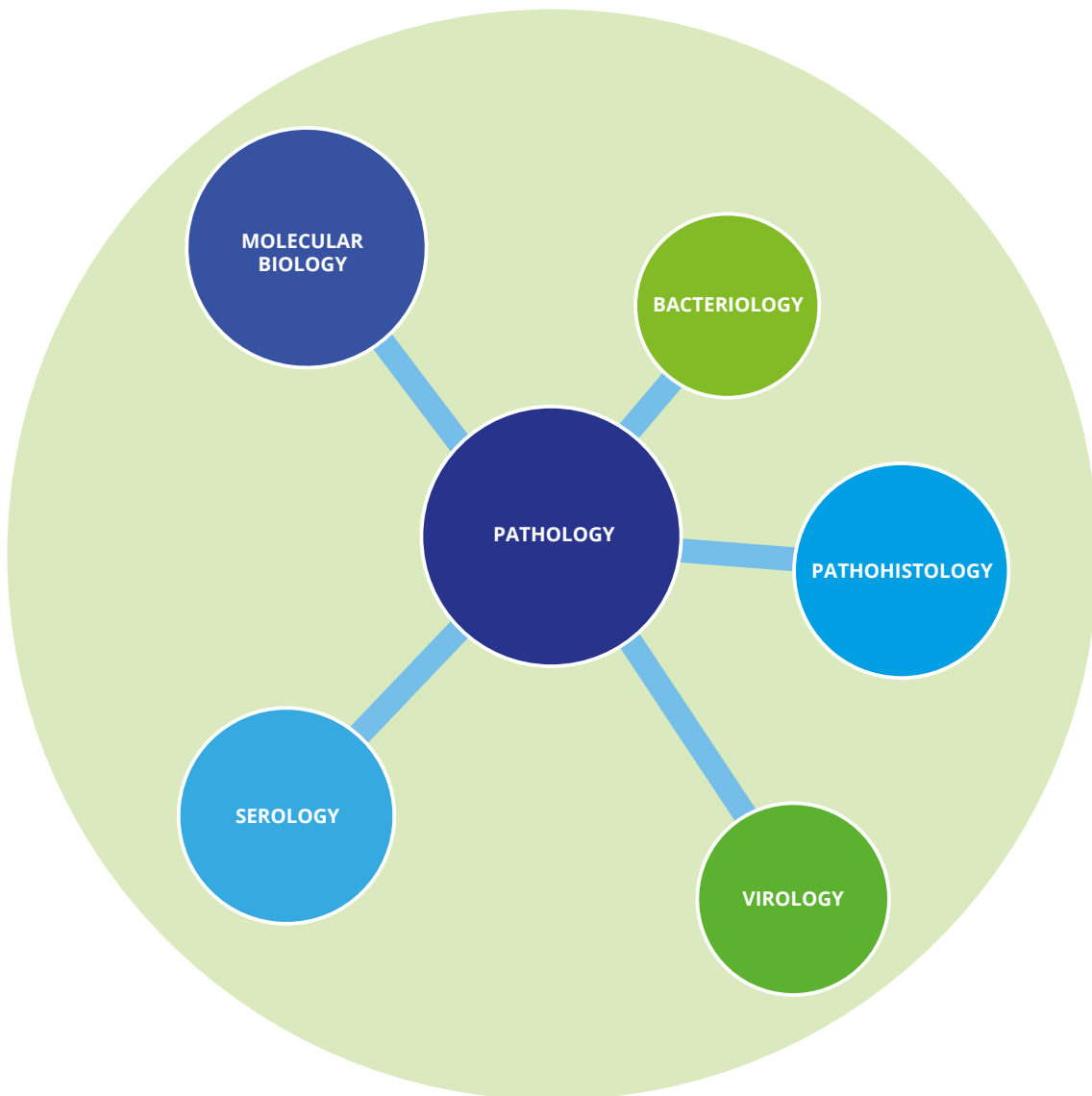




DR. JÓZSEF MAREK
ANIMAL HEALTH LABORATORY



WITH WIDE-RANGING EXPERIENCE IN THE FIELD OF POULTRY AND SWINE HEALTH, OUR COMPANY HAS DEVELOPED SPECIALIST DIAGNOSTIC SERVICES IN THESE SECTORS



PATHOLOGY/ PATHOHISTOLOGY

Pathoanatomical and pathohistological examinations can be performed on whole animals, body parts or organs. If required, targeted sampling can be conducted for further diagnostics. Animal carcasses are accepted during working hours.



BACTERIOLOGY

We can perform the identification, typing and characterisation of bacteria isolated from submitted animal carcasses or biological samples. Upon request, isolated pathogens can be cryopreserved in order to facilitate any future need to manufacture custom-made autogenous vaccines.

In-vitro antibiotic susceptibility testing of isolates is routinely carried out in order to determine targeted antibiotic treatments.

We process environmental monitoring samples in order to control the effectiveness of on-site cleaning and disinfection.



SEROLOGY

In our laboratory we employ a variety of methods for the detection and titre determination of specific antibodies, with the help of internationally recognised commercial test kits.

To determine antibody status, besides the ELISA technique, we also use Rapid Plate Agglutination (RPA), Haemagglutination Inhibition (HI) tests and virus neutralisation tests (VNT).

To monitor the immune status of flocks or herds, we recommend continuous sampling of animals. In the event of a disease outbreak, cryopreserved serum samples can be tested immediately, allowing instant verification of the etiological role of any given pathogen.



Serological tests performed in the laboratory:

POULTRY
Avian encephalomyelitis (AE)
Avian influenza virus (AIV)
H7 Avian influenza virus
H5 Avian influenza virus
Avian leukosis virus (ALV)
Avian metapneumovirus (TRT, aMPV)
Avian reovirus (REO)
Chicken anaemia virus (CAV)
Derzsy's disease (Goose parvovirus)
Fowl adenovirus (FAdV)
Infectious bronchitis virus (IBV)
Infectious bursal disease virus (IBDV)
Infectious bursal disease virus anti-IBDV VP2 antibodies
<i>Mycoplasma gallisepticum</i>
<i>Mycoplasma synoviae</i>
<i>Mycoplasma meleagridis</i>
Newcastle disease virus (NDV)
<i>Ornithobacterium rhinotracheale</i>
Reticuloendotheliosis virus (REV)
<i>Salmonella gallinarum/ pullorum</i>
Turkey haemorrhagic enteritis virus (HEV)
SWINE
<i>Actinobacillus pleuropneumoniae</i>
Aujeszky's Disease Virus (ADV) anti-gB antibodies
<i>Brucella suis</i>
<i>Mycoplasma hyopneumoniae</i>
Porcine circovirus (PCV)
Porcine reproductive and respiratory syndrome virus (PRRSV)
CATTLE
Bluetongue
Bovine viral diarrhoea virus (BVDV) Antigen Capture
<i>Brucella abortus</i>
<i>Chlamydophila abortus</i>
Enzootic bovine leukosis
Infectious bovine rhinotracheitis/infectious pustular vulvovaginitis (IBR/IPV) gE
Infectious bovine rhinotracheitis/infectious pustular vulvovaginitis (IBR/IPV) gB
Paratuberculosis
Q Fever
Schmallenberg virus
OTHER
West Nile virus (WNV)

Please feel free to contact us if you have other specific testing needs.



MOLECULAR BIOLOGY

Besides conventional PCR, which determines the presence or absence of the genetic material of a certain microorganism, we also apply real-time PCR tests in order to quantify the pathogen in the sample. Not only is PCR much faster than traditional pathogen isolation, it also facilitates the detection of genetic material even in the absence of viable microorganisms.



POULTRY
Avian metapneumovirus (TRT, aMPV)
Chicken anaemia virus (CAV)
Goose polyomavirus
Infectious bronchitis virus (IBV)
Infectious bursal disease virus (IBDV)
Marek's disease
Poultry coccidiosis (<i>Eimeria tenella</i> , <i>Eimeria maxima</i> , <i>Eimeria acervulina</i> , <i>Eimeria brunetti</i> , <i>Eimeria necatrix</i>)
<i>Salmonella enterica</i>
SWINE
<i>Actinobacillus pleuropneumoniae</i>
<i>Mycoplasma hyopneumoniae</i>
<i>Mycoplasma hyorhinis</i>
Porcine circovirus (PCV)
Porcine reproductive and respiratory syndrome virus (PRRSV)
OTHER
Detection of IBDV and identification of W2512 vaccine strain (FTA Card and chicken bursa)
Sequencing
Vectormune AI (FTA Card)
Vectormune ND (FTA Card)
West Nile virus (WNV)

Our colleagues will be happy to provide information about further test options.



VIROLOGY

In some cases, it is necessary to isolate the virus responsible for a disease. In our virology laboratory, we isolate viruses in embryonated eggs or primary cell cultures. We can provide storage for isolated viruses, and if required, isolates can be used to manufacture custom-made autogenous vaccines.



QUALITY ASSURANCE

To ensure the quality of our test results, we have implemented a regularly audited quality assurance system. Our diagnostic laboratory operates in accordance with ISO/IEC 17025: 2018.



PRODUCTION OF AUTOGENOUS VETERINARY VACCINES

Should the need arise for a tailor-made solution to treat a farm-level outbreak of an animal disease, our diagnostic and vaccine-producing laboratory is at your disposal for the complete process, from identification, through development, to production of a vaccine.

In compliance with the relevant legislation, our production facility operates under the special requirements based on Good Manufacturing Practice (GMP).





SAMPLE DELIVERIES

PLACE OF DELIVERY:

PROPHYL Ltd.
Szent István u. 18-20, H-7700 Mohács, Hungary
(Visitors' entrance is on Tompa Mihály Street)



CONTACT INFORMATION:

E-mail: labor@prophyl.hu
Phone: **+36 30 447 2338**

Samples can be brought to the laboratory **in person** on **working days between 07:00 and 17:00**. Outside these hours, in urgent cases, samples may only be delivered if agreed in advance (please phone +36 30 447 2338).

Upon request, our laboratory can arrange for samples to be transported **by courier**. For further information on this service, including packaging, dispatch and receipt of samples, please phone +36 30 447 2338 or email labor@prophyl.hu.

Also upon request, our laboratory can provide our customers with sampling and packaging materials (blood vials, swabs, resealable plastic bags cardboard boxes etc.). Our colleagues are at your disposal by phone (+36 30 447 2338) or by email (labor@prophyl.hu).

OUR VETERINARIANS

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E-MAIL ADDRESS:

For more information on laboratory examinations and on technical issues (incl. sample delivery), please write to: labor@prophyl.hu



WEBSITE:

www.prophyl.hu



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