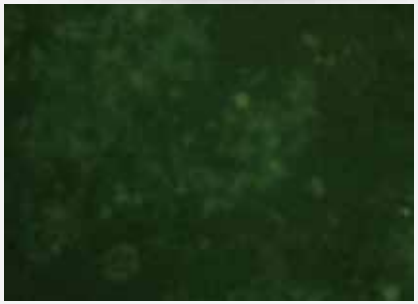
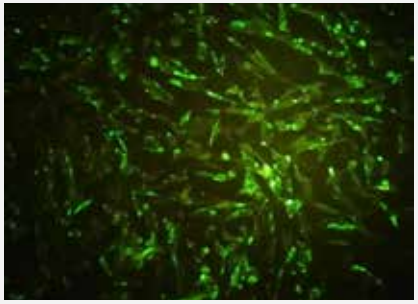


Uninfected BHK_{21} cell line



Rabies virus multiplication in BHK_{21} cell line

Test Report

The test report issued by the Department of Animal Biotechnology, MVC being an NABL accredited (ISO/IEC 17025:2017) laboratory is highly credible, since it has a specific certificate number along with ILAC MRA (International Laboratory Accreditation Cooperation - Mutual Recognition Arrangement) mark which is recognized internationally for transportation of pets from India to other countries.

Cost

The cost of testing is Rs.2000/- per sample (Rs. 1695 + Rs 305 as 18% GST).

The testing charges may be sent through DD in favour of "The Professor and Head, Dept of Animal Biotechnology, MVC" or NEFT. The bank details are provided below:

The Professor and Head
Dept. of Animal Biotechnology
S.B.A/c. No. : 570502010002915
IFSC Code : UBIN0557056
Bank Name : Union Bank of India
Branch Name : MVC Vepery

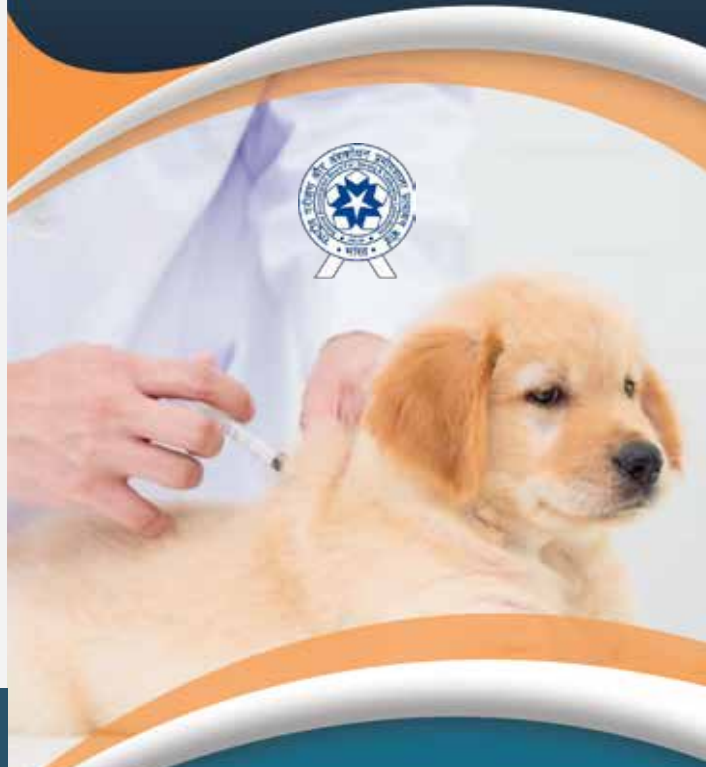
Turnaround time

The sample testing results would be provided within 1 week of receipt of sample at our laboratory

For further details Contact

The Professor and Head,
Department of Animal Biotechnology
Faculty of Basic Sciences,
Madras Veterinary College,
Chennai - 600007
Telephone No. 044-2530 4000
044-2536 9301
Attention: **Dr. P. Raja** @ 9710316741

Testing Services for Rabies Antibody Estimation in Vaccinated Pets



Rabies Diagnostic Laboratory
(ISO/IEC 17025:2017 Accredited Lab)

Department of Animal Biotechnology
Tamil Nadu Veterinary and Animal Sciences University
Faculty of Basic Sciences
Madras Veterinary College, Chennai - 600 007

About Rabies

- Rabies is one of the most fatal diseases in man transmitted by dog bite
- There is no effective treatment for the disease
- However, rabies is 100% vaccine preventable
- If dogs / cats are protected with rabies vaccines, rabies in man can be prevented
- Estimation of rabies antibodies in serum of vaccinated dogs/cats ensures that the vaccination was effective
- This would also help to determine the timing of the next vaccination
- Rabies antibody status and titres are also needed for exportation of dogs / cats to certain countries

The Department of Animal Biotechnology, MVC offers a ISO/IEC 17025:2017 accredited service for rabies antibody estimation in dog / cat sera using the Fluorescent Antibody Virus Neutralization (FAVN) test.

What samples are to be collected for testing?

- The blood sample is to be collected from dogs or cats and serum should be separated from the blood clot, stored and transported at 4°C to reach the laboratory within 24 hrs of blood collection
- The sample should be provided with necessary information such as owner's name, address, pet's name, breed, age, sex, date of last vaccination, vaccine details, date of sample collection, date of sample sent for testing, microchip number, clinician name and details etc.
- The quantity of the serum sample needed for the assay is 600 µl

What is the test performed for assessing the protective antibody titre estimation?

Fluorescent Antibody Virus Neutralization Assay is performed to assess the antibody titre against rabies virus

Briefly, the serum collected from the pet is mixed with a known titre of a fixed strain of rabies virus and added to BHK_{21} cells which support rabies virus multiplication

If sufficient titre of antibodies is not present in the serum, the fixed rabies virus would enter the cells and multiply

If sufficient titre of antibodies is present, this would prevent the rabies virus from entering the cells and further multiplication is prevented

The multiplication of the rabies virus is detected by a fluorescent labelled rabies antibody conjugate

By using different dilution of the sera to be tested and comparing with the reference standards, the levels of rabies antibody present in the sera sample can be estimated

An antibody titre of 0.5 International Units (I.U.) is considered as protective

Antibody titres below 0.5 IU is not protective and the dog needs revaccination