

Virology and Molecular Biology Laboratory



Patient and Family Education



patienteducation@hmc.org.qa



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مستشفى حمد العام
Hamad General Hospital

عضو في مؤسسة حمد الطبية
A Member of Hamad Medical Corporation



Virology and Molecular Biology Laboratory



The Virology and Molecular Biology section is a full service laboratory that performs serological, molecular (PCR) methods, as well as hemagglutination and rapid antigen testing.

The lab provides qualitative and quantitative detection of antibodies (IgG and IgM) and (DNA/RNA) against different viruses.

The lab participates in viral infection surveillance with the Supreme Council of Health. It has also participated in the establishment of the National Influenza Center (NIC).

The Virology and Molecular biology lab plays an important role in public health service in the State of Qatar through the continuous provision of service for the diagnosis and management of in and out patients with acute or chronic illnesses or infectious diseases.

The lab is also involved in the Severe Acute Respiratory Infection (SARI) and Influenza-like Illnesses (ILI) programs. It also plays a pivotal role in conducting pre-marital check-ups.

The Virology and Molecular Laboratory is divided into three divisions:

1. Serology lab:

- Hepatitis Serology
- Bacterial/Parasitic Serology
- Premarital Serology
- General Viral Serology
- HIV and HTLV Serology

2. Molecular lab:

- Hepatitis B Viral Load
- Hepatitis C Viral Load & Genotype
- HIV Viral Load
- Fever and Rash Virus
- Viral Meningitis
- Respiratory Viruses and MERS CoV.

3. National Influenza center:

- Influenza virus isolation
- Cell culture