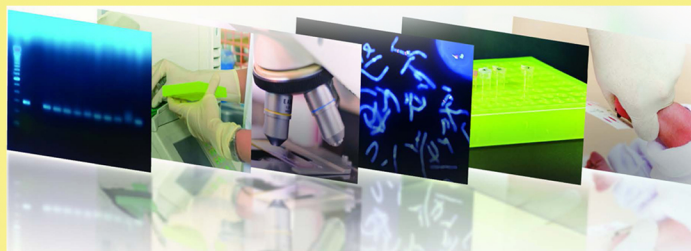


THE LARGEST PROVIDER OF GENETICS SERVICES IN THE COUNTRY



The **INSTITUTE OF HUMAN GENETICS** provides services through its Genetics Clinic, Specialized Laboratories and Research Unit

Component Units include:

1. Cytogenetics Laboratory
2. Molecular Genetics Laboratory
3. Biochemical Genetics Laboratory
4. Microarray Core Laboratory
5. Hemoglobinopathy Reference Unit
6. Clinical Genetics at PGH
7. Newborn Screening Center - NIH

For inquiries on services, please contact:



Institute of Human Genetics
National Institutes of Health
University of the Philippines, Manila

Pedro Gil Street, Malate, Manila
Tel No.: (632) 3101780
Fax No.: (632) 5269997
Website: <http://ihg.upm.edu.ph>

Contact the Molecular Genetics Laboratory for more information:

The UP-NIH Molecular Genetics Laboratory
Institute of Human Genetics
The National Institutes of Health
2nd floor, 620 Pedro Gil St., Ermita, Manila 1000
Telephone: 310-1780 local 113
Email: molgenlab_ihg@upm.edu.ph

The Institute of Human Genetics is ISO 9001:2008 certified



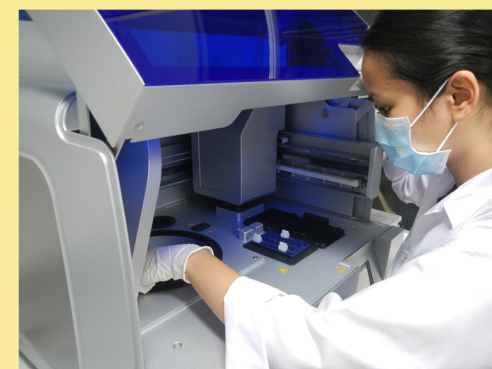
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MOLECULAR GENETICS

Genetic services for researchers, physicians and patients



MOLECULAR GENETICS UNIT

The MOLECULAR GENETICS UNIT is primarily engaged in research that aims to study the basis of common genetic diseases. Using relevant technology, our studies seek to gain knowledge that can be translated to the improvement of diagnosis and treatment of diseases that are unique and common to Filipinos.

To this end, our unit also offers services that will aid health researchers in their studies. We also offer patient services for the screening and diagnosis of particular diseases.

SERVICES AND TESTS

- DNA Extraction
- Nanodrop UV-Vis Spectrophotometer Rental
- Sequence Analysis
- Sequence Analysis of Select Genes
- Thalassemia Screening via HPLC
- Thalassemia Mutation Analysis
 - via Reverse Hybridization Strip Assays
- Analysis of X-linked Dystonia Parkinsonism
- Referrals for Molecular Diagnostic Tests (*outsourced*)

FREQUENTLY ASKED QUESTIONS (FAQs)

Why avail of molecular genetic testing?

Molecular genetic testing allows for the definitive diagnosis of cases as well as early identification of disease in high-risk patients which may not be possible using other routine laboratory tests.

Can I simply walk in to have tests done?

To serve you better, we highly advise clients to coordinate with us beforehand so that we can properly schedule you for specimen collection.

I am from outside Metro Manila/I plan to have my blood specimen collected elsewhere and then have the blood sent to your lab. How do I go about this?

To ensure that all samples are received and processed in a timely manner, please coordinate with us regarding when you intend to send the specimen. We do not receive samples on weekends or holidays.

To avoid delays in testing, please ensure that you send us completely filled out forms along with your specimen. The necessary test forms as well as instructions for blood extraction and shipping may be found in the IHG website or can be sent to you upon request.

What forms do I need to fill out?

For our in-house tests, please see our website for the requirements for individual tests.

For outsourced tests, we will provide you with the additional forms required by the testing lab.

Do I need any preparations prior to having a test?

Our tests do not require fasting, but we do advise you to have pre-counseling prior to having a genetic test. The Institute of Human Genetics has affiliated clinical geneticists/genetic counselors who can provide you with the necessary information and advice with regards to having a genetic test done.

I recently had a blood transfusion. Can I have testing done?

You can have testing done 45 days after your last transfusion.

Do you also offer paternity/kinship testing?

No, our laboratory only focuses on genetic disorders.

How much do the tests cost?

| Procedure / Test | Price |
|--|---------------------------------|
| Thalassemia Screening by HPLC | Php2,550.00 |
| DNA extraction | Php2,500.00 |
| DNA sequencing (per reaction) | Php650.00 |
| Alpha Thalassemia Mutation Analysis (Vienna Lab Strip Assay) | Php10,600.00 |
| Beta Thalassemia Mutation Analysis (Vienna Lab Strip Assay) | Php10,400.00 |
| XDP PCR-based Genetic test | Php4,900.00 |
| Nanodrop UV-Vis Spectrophotometer rental (per 30 minutes) | Php250.00 |
| Sequence analysis of Select Genes/ Familial Mutation Analysis (see the IHG website for the current list of genes) | see website/ inquire with us |
| Referrals for Molecular Diagnostic Tests | varies |

**Prices as of January 2016. Please call the lab to confirm current rates.*