

INTRODUCTION

The National University Hospital (NUH) Laboratory Services aims at providing a compendium of valuable information for all of the tests and services offered by the department. We aim to reach our customers both within NUH, in Singapore and in the region. Due to the complexity of the workflow in clinical laboratories today, we hope to have consolidated all information with the greatest clarity. We encourage our clients to directly communicate with us when further clarity is necessary.

Laboratory Vision

“We lead in providing laboratory services designed to assist our customers with the diagnosis and treatment of disease, the promotion of health and the advancement of medical science.”

About Us

The Department of Laboratory Medicine comprises:

Clinical Chemistry Division

- CORE Chemistry
- Non-CORE Chemistry
 - Serology
 - Special Chemistry

The Division of Clinical Chemistry offers a wide repertoire of routine and non-routine biochemical tests. The use of semi-automated and automated random access analysers allows many of these services to be offered to meet the needs of our users. The Division also offers consultation services of experienced chemical pathologists and clinical scientists to assist clinicians in both diagnostic and research capacities by keeping abreast of medical and technological advances.

Haematology Division

- CORE Haematology
- Blood Transfusion Services
- Cytogenetics
- Flow Cytometry

The Division of Haematology provides routine and specialised testing and interpretation of results. The Cytogenetics laboratory provides comprehensive services in chromosomal studies of haematological and congenital/constitutional disorders.

Microbiology Division

The Microbiology laboratory provides a comprehensive range of services in bacteriology, ID and susceptibility testing, mycology, virology, parasitology and molecular testing.

Molecular Diagnosis Centre

The Molecular laboratory provides molecular-based testing for identification of human gene mutations and detection, identification and quantitation of various bacteria and viruses prior to and during patient therapy.

The laboratories are fully computerized and integrated with the hospital, and offer a comprehensive range of laboratory tests. Through our NUH (National University Hospital) Referral Laboratory (NRL), a wholly owned subsidiary of NUH, the Department is able to extend its services to many local medical institutions, private laboratories and to more than ten countries in the Asia-Pacific region and beyond.

Personnel

The Department has a staff strength of about 240 personnel. Our team of professionals, including both medical doctors, scientific officers, medical laboratory technologists, medical laboratory scientists and an administrative staff ensure prompt, reliable, efficient and excellent quality of laboratory services.

Click [here](#) for a list of the professional staff in the Department of Laboratory Medicine.

Quality

The Department of Laboratory Medicine is committed to providing our clinical customers and patients with high quality laboratory services. We continuously strive to exceed your expectations.

To ensure ongoing and sustainable quality we regularly review our testing journey – from order to blood collection, transport of the specimen to the analytical process in the laboratory and release of the result to the ordering clinician.

Internal quality control processes provide our staff with a review of the accuracy and precision of each analyser and test. Hence, ensuring confidence in the testing of patient samples.

External quality control processes complement our internal processes providing a periodic peer review comparison of our performance, both of the analysers and our staff. Participation in an external quality programme is mandatory for all tests.

Our quality management programme requires regular reviews of the quality and appropriateness of our laboratory services. Internal audits are conducted regularly to review conformance to our management programme. It will also allow the review of newly implemented processes and an assessment of the maintenance of ongoing processes. Quality improvement is a key component of our quality management programme.

Research and Development

The Department seeks to advance patient care by continuous engagement in research and development work. Constant evaluation and updating of test methodologies and equipment is aimed at providing better diagnosis, cost containment, increased accuracy, reproducibility and efficiency of test procedures and faster turnaround time of laboratory results.

Research projects including clinical trials are conducted in collaboration with clinical colleagues to gain better understanding of disease processes and improve diagnosis and patient management. Joint

collaborative studies are also done with our overseas counterparts. The many research projects and publications from the Department are a testimony to the commitment and effort of our staff.

For enquiries about collaboration with the Department for research projects, contact NRL.

Training and Education

To further enhance knowledge and skills development, comprehensive in-house seminars are conducted by the different divisions as part of their continuing education programme. This ensures that the staff continually update their knowledge of medical technology.