

Laboratory Medicine at Alder Hey Children's NHS Foundation Trust is committed to providing a comprehensive paediatric clinical laboratory and interpretive service of the highest quality to both internal and external users. Laboratory management will:

- Ensure that they are aware of, and take into consideration the needs and requirements of the service users
- Ensure the laboratory contributes effectively to a positive patient experience and clinical outcome
- Work closely with the clinical teams to ensure that the patient pathway is optimised
- Work with, and support the initiatives of the Trust Divisions

The services provided by the laboratory include:

- Paediatric Histopathology including paediatric surgical and autopsy, fetal & perinatal services
- Paediatric Microbiology including bacteriology, mycology, virology, serology and infection control.
- Routine and specialist metabolic Biochemistry and allergy testing
- Routine and specialist Haematology including haemophilia, leukaemia, and oncology
- Blood Transfusion service including provision of all blood products as required by its users.
- Newborn screening for phenylketonuria, congenital hypothyroidism, cystic fibrosis, MCADD, haemoglobinopathies and inherited metabolic diseases (Glutaric Aciduria Type 1, Isovaleric Acidaemia, Homocystinuria and Maple Syrup Urine Disease).
- Point of Care Testing including Blood Glucose/ Ketone, Blood Gas/Metabolytes/electrolytes, HbA1C, ACT, Thermoelectrometry, Urinalysis, HCG, COVID and molecular Strep A

To ensure that the needs and requirements of users are met, the laboratory will:

- Operate a Management System
- Set quality objectives and plans to achieve continual improvement of the service
- Set and monitor Key Performance Indicators (KPIs) that reflect patient outcome

- Carry out an annual review of requests and suitability of procedures and sample requirements to ensure that the laboratory repertoire is fit for intended use
- Ensure that all personnel are familiar with the management policies and all procedures relevant to their work
- Commit to the health, safety and welfare of all its' staff in accordance with relevant health and safety and environmental legislation
- Ensure that visitors to the department are treated with respect and that due consideration is given to their safety while on site
- Uphold professional values and remain committed to good professional practice and conduct.

Laboratory medicine will comply with the International standard BS EN ISO 15189:2022 requirements for quality and competence for medical laboratories and we are committed to:

- Staff recruitment, training, development and retention at all levels to provide a full and effective service to its users
- Ensuring that laboratory staff maintain professional registration where appropriate with the relevant bodies
- Appropriate procurement and maintenance of equipment and other resources that are needed for the provision of the service
- The collection, transport and handling of all specimens in such a way as to ensure the correct performance of laboratory examinations
- The use of examination procedures that will ensure the highest achievable quality of all tests performed
- Reporting results of examinations in ways which are timely, confidential, accurate and clinically useful
- The assessment of user satisfaction, in addition to internal audit and external quality assessment, to enable improvement.
- The setting and monitoring of Quality Indicators to evaluate performance and ensure effective patient care.

Signed on behalf of Pathology

Clinical Director

Date



01/02/2024