Alder Hey Children's NHS
NHS Foundation Trust

Paediatric Laboratory Medicine (Pathology)

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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 divisional systems.

The services provided by the laboratory include:

- Paediatric Histopathology including paediatric surgical and autopsy, foetal & 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, Maple Syrup Urine Disease and Hereditary Tyrosinemia Type 1).
- Point of Care Testing including Blood Glucose/ Ketone, Blood Gas/Metabolites/electrolytes, HbA1C, ACT, FBC, 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.

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- 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 Laboratory Medicine

Dr Darren Powell - Clinical Director **Date** September 2026



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