

IMMUNOPHENOTYPING SERVICES AT KING'S

We have been providing immunophenotyping facilities for over two decades and currently serve over 20 hospitals in London and the South East. Our laboratory offers tests for the diagnosis, prognosis and monitoring of patients with haematological malignancy. This includes the investigation of cell suspensions of blood, bone marrow, cerebrospinal fluid and stem cell harvests by flow cytometry.

Services:

- **Diagnosis and classification of suspected haematological malignancy.** Leucocyte immunophenotyping is offered to supplement and complement the services provided by cytogenetics and minimal residual disease as part of a comprehensive diagnostic service
- **Enumeration of stem cell (CD34+) numbers** either prior to harvesting or in a product after harvest.
- **Diagnosis of Paroxysmal Nocturnal Haemoglobinuria (PNH)**

The laboratory uses a Becton Dickinson FACSCanto with approximately 70 antibodies available for flow cytometric investigations. All flow cytometry studies are carried out using combinations of two, three or four antibodies labelled with different fluorescent dyes. There is currently an annual workload of approximately 2500 samples, and urgent cases results can be obtained in 1-2 hours.

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