

Instruction

1. All laboratory tests are performed on appointment basis on every working Mondays-Thursdays. Please call our unit at 03-26162587 for appointment.
2. Samples must reach *Primary Immunodeficiency (PID) Unit, Allergy and Immunology Research Centre* before 1 pm on appointment date. Please call to inform if there is any delay/cancellation. Please liaise with your local laboratory to ensure proper arrangement for sample delivery.
3. Please fill in all sections in the request form.
4. Samples **must not** be transported in ice.
5. Please follow the requirement below for each test requested. Take note of the more stringent requirement for test B below:

A. Preliminary assessment of immune function			
Investigation (Method used)	Specimen container	Sample volume	Details
T and B cells enumeration/ Lymphocyte Immunophenotyping (Flow cytometry)	EDTA	2 ml fresh blood	Measurement of : 1. Total T cells (CD3) 2. T helper cells (CD4) 3. Cytotoxic T cells (CD8) 4. B cells (CD19) 5. Natural Killer cells
Immunoglobulin and complement (Turbidimetry)	Plain	5 ml blood	Measurement of IgA, IgM, IgG, IgE*, C3 and C4. *IgE is performed by the allergy unit (fluoroenzyme immunoassay method)

B. Functional assay for chronic granulomatous disease (This test is for cases highly suspicious of chronic granulomatous disease. Please discuss with PID officers)			
Investigation (Method used)	Specimen container	Sample volume	Details
Dihydrorhodamine test [DHR] (flow cytometry)	Lithium Heparin	2ml fresh blood from patient and 2 ml from unrelated healthy person (regardless of age and gender) #please also send 1 ml of patient's blood in EDTA if this test is requested separately from T and B cells enumeration.	Assessment of neutrophils respiratory burst