

Newcastle Hospitals Flow Cytometry Laboratory

Immunology Request Form

Patient Demographics:		Lab Use ONLY
Affix patient label or complete details below:		
NHS No:		
Hospital No:		
Surname:		
Forename:		
DOB:		
Sex:	M F	

Referring Hospital Information		
Hospital Name and Address:	Department	Requester Name:
Post Code:	Telephone Number:	Email Address:
Date and Time of Sample:	Referring Hospital Lab Number:	

Clinical Details		Normal Control Sample Requirements
Indication for testing:		The requesting clinician must arrange for a control sample from a healthy volunteer to arrive at the same time as the patient's sample. Control samples must be labelled as 'normal control'.
Post-HSCT ☐	Date of Transplant: Lymphocyte Count: x10 ⁹ /L	

	Tick if required	Sample Requirements
Lymphocyte Subsets Naïve T-Cells Class Switch Memory B- cells Double negative T cells T regulatory cells CD4 Count Only	☐ ☐ ☐ ☐ ☐ ☐	Whole blood-EDTA Minimum volume 4ml adult, 0.5mL paediatric Please provide lymphocyte count
Bruton's tyrosine kinase (BTK) Assay	☐	Whole blood-EDTA Minimum volume 0.5mL
CD40 and CD40 Ligand	☐	Whole blood-EDTA Minimum volume 4ml adult, 0.5mL paediatric AND Whole blood in preservative free heparin Patient (5mL) + normal control (5mL)
Chronic Granulomatous Disease (CGD) Protein Assay gp91 p47 p67 p22	☐ ☐ ☐ ☐ ☐	Whole blood-EDTA Minimum volume 4ml adult, 2mL paediatric
Haemophagocytic Lymphohistiocytosis (HLH) Proteins Perforin/Granzyme SLAM- associated protein (SAP)/X-linked inhibitor of apoptosis (XIAP) [males only]	☐ ☐ ☐	Whole blood-EDTA + normal control Minimum volume 4ml
FOXP3 expression	☐	Whole blood in preservative free heparin Patient (5mL) + normal control (5mL)
Leucocyte Adhesion Molecules	☐	Whole blood-EDTA Minimum volume 4ml adult, 0.5mL paediatric
T Cell Proliferations PHA only Extended	☐ ☐	Whole blood in preservative free heparin Patient (10mL) + normal control (10mL)
Neutrophil Function Testing Neutrophil Respiratory Burst/DHR Toll-like receptors (TLR) Assay (CD62L)	☐ ☐ ☐	Whole blood-EDTA + normal control Minimum volume 0.5mL(Burst/DHR) 1mL (TLR Assay)
NK-Cell Granule Release Assay Contact laboratory prior to taking samples if assay required	☐	Whole blood-EDTA + normal control Minimum volume 4ml
TCR Vβ repertoire	☐	Whole blood-EDTA

For further test information please visit <https://www.newcastlelaboratories.com/> or contact the flow cytometry laboratory on 0191 282 5078 or nuth.flowcytometrylab@nhs.net