

Newcastle Hospitals Flow Cytometry Laboratory

Immunology Request Form

Patient Demographics:		<u>Lab Use ONLY</u>
Affix patient label or complete details below:		
NHS No:		
Hospital No:		
Surname:		
Forename:		
DOB:		
Gender: 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 <input type="checkbox"/>	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	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Whole blood-EDTA Minimum volume 4ml adult, 0.5mL paediatric Please provide lymphocyte count
Bruton's tyrosine kinase (BTK) Assay	<input type="checkbox"/>	Whole blood-EDTA Minimum volume 0.5mL
CD40	<input type="checkbox"/>	Whole blood-EDTA Minimum volume 4ml adult, 0.5mL paediatric
CD40 Ligand	<input type="checkbox"/>	Whole blood in preservative free heparin Patient (5mL) + normal control (5mL)
Chronic Granulomatous Disease (CGD) Protein Assay gp91 p47 p67 p22	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	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]	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Whole blood-EDTA + normal control Minimum volume 4ml
FOXP3 expression	<input type="checkbox"/>	Whole blood in preservative free heparin Patient (5mL) + normal control (5mL)
Leucocyte Adhesion Molecules	<input type="checkbox"/>	Whole blood-EDTA Minimum volume 4ml adult, 0.5mL paediatric
T Cell Proliferations PHA only Extended	<input type="checkbox"/> <input type="checkbox"/>	Whole blood in preservative free heparin Patient (10mL) + normal control (10mL)
Neutrophil Function Testing Neutrophil Respiratory Burst/DHR Toll-like receptors (TLR) Assay (CD62L)	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	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	<input type="checkbox"/>	Whole blood-EDTA + normal control Minimum volume 4ml
TCR Vβ repertoire	<input type="checkbox"/>	Whole blood-EDTA Minimum volume 1mL

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