

Instructions: The accurate interpretation and reporting of genetic results is contingent upon the reason for referral, clinical information, ethnic background, and family history. To help provide the best possible service, supply the information requested below and **send paperwork with the specimen, or return by fax to Mayo Clinic Laboratories, Attn: Personalized Genomics Laboratory Genetic Counselors at 507-284-1759. Phone: 507-266-5700 / International clients: +1-507-266-5700 or email mclglobal@mayo.edu**

Patient Information

Patient Name <i>(Last, First, Middle)</i>	Birth Date <i>(mm-dd-yyyy)</i>	Gender <input type="checkbox"/> Male <input type="checkbox"/> Female
Referring Provider Name <i>(Last, First)</i>	Phone	Fax*
Other Contact Name <i>(Last, First)</i>	Phone	Fax*

*Fax number given must be from a fax machine that complies with applicable HIPAA regulations.

Reason for Testing

- Diagnosis Newborn Screening Follow-up Carrier Testing Family History

Note: Genetic testing should always be initiated on an affected family member first, when available, in order to be most informative for at-risk relatives.

Indications (check all that apply)

<p>Autoinflammatory</p> <ul style="list-style-type: none"> <input type="checkbox"/> Periodic fever <input type="checkbox"/> Familial Mediterranean fever (FMF) <input type="checkbox"/> Hyper IgD syndrome <input type="checkbox"/> Cryopyrin-associated periodic syndromes (CAPS) <input type="checkbox"/> Blau syndrome <input type="checkbox"/> PAPA syndrome <input type="checkbox"/> PFAPA syndrome <input type="checkbox"/> TRAPS (TNF-receptor-associated periodic syndromes) <input type="checkbox"/> PLAID/APLAID <input type="checkbox"/> Amylopectinosis and autoinflammation <input type="checkbox"/> Majeed syndrome; CRMO <input type="checkbox"/> Other inflammasome-related disorders <input type="checkbox"/> Other autoinflammatory conditions, specify: _____ <p>B-Cell Deficiency; Agammaglobulinemia</p> <ul style="list-style-type: none"> <input type="checkbox"/> Recurrent sinopulmonary infections <input type="checkbox"/> Hypogammaglobulinemia <input type="checkbox"/> Lymphoproliferation <input type="checkbox"/> Increased IgM (Hyper IgM) <input type="checkbox"/> Class-switch recombination defects <p>Complement aHUS/TMA</p> <ul style="list-style-type: none"> <input type="checkbox"/> Atypical hemolytic uremic syndrome (aHUS) <input type="checkbox"/> Thrombotic microangiopathy (TMA) <input type="checkbox"/> Thrombotic thrombocytopenic purpura (TTP) 	<p>Inflammatory Bowel Disease/Enteropathy/Hepatic PID</p> <ul style="list-style-type: none"> <input type="checkbox"/> Chronic IBD-like disorder and CID <input type="checkbox"/> Ulcerative colitis <input type="checkbox"/> Crohn disease <input type="checkbox"/> Enteropathy, hypogammaglobulinemia, autoinflammation, and autoimmunity <input type="checkbox"/> IBD, lymphadenopathy <input type="checkbox"/> Veno-occlusive disease (in context of PID; VODI) <input type="checkbox"/> NRH (nodular regenerative hyperplasia) <p>Phagocytic PID/Chronic Granulomatous Disease</p> <ul style="list-style-type: none"> <input type="checkbox"/> Recurrent pneumonia, soft-tissue granulomas, recurrent abscesses, specific microbial infections; specify: _____ <input type="checkbox"/> Palmoplantar keratoderma with periodontitis (Papillon-Lefvre) <input type="checkbox"/> Delayed umbilical cord separation +/- omphalitis <input type="checkbox"/> Leukocytosis <input type="checkbox"/> Absence of pus (leukocyte adhesion deficiencies) <input type="checkbox"/> Bleeding diathesis <input type="checkbox"/> Comel-Netherton syndrome <input type="checkbox"/> Favism (hemolysis, neonatal hyperbilirubinemia) <input type="checkbox"/> Pulmonary alveolar proteinosis <input type="checkbox"/> Other neutrophil-associated phenotypes <input type="checkbox"/> Bombay blood group <input type="checkbox"/> Gingivitis <input type="checkbox"/> Periodontitis 	<p>Severe Combined Immunodeficiency</p> <ul style="list-style-type: none"> <input type="checkbox"/> Severe combined immunodeficiency (SCID) <input type="checkbox"/> Combined immunodeficiency (CID) <input type="checkbox"/> T-cell lymphopenia/deficiency <input type="checkbox"/> (T-, B-, NK-) SCID (ADA-SCID; Reticular dysgenesis) <input type="checkbox"/> (T-, B-, NK+) SCID (VDJ recombination defects; CID) <input type="checkbox"/> (T-, B+, NK-) SCID (X-linked SCID; JAK3 SCID) <input type="checkbox"/> (T-, B+, NK+) SCID (T-cell SCID) <input type="checkbox"/> Severe, recurrent EBV infections/ENB lymphoproliferative disease <input type="checkbox"/> CD4+ or CD8+ T-cell deficiency or absence of MHC class I or class II molecules (Bare lymphocyte syndrome, type I or II) <p>Telomere Defects</p> <ul style="list-style-type: none"> <input type="checkbox"/> Idiopathic pulmonary fibrosis <input type="checkbox"/> Dyskeratosis congenita <input type="checkbox"/> Bone marrow failure syndrome <input type="checkbox"/> Telomeropathies <p>Congenital Neutropenia/Neutrophil PID</p> <ul style="list-style-type: none"> <input type="checkbox"/> Congenital neutropenia (Kostmann syndrome) <input type="checkbox"/> Cyclic neutropenia <input type="checkbox"/> Shwachman-Diamond syndrome <input type="checkbox"/> Wiskott-Aldrich syndrome <input type="checkbox"/> Cohen syndrome <input type="checkbox"/> Barth syndrome <input type="checkbox"/> G6PD deficiency <input type="checkbox"/> WHIM syndrome <input type="checkbox"/> Other neutropenia; specify, _____
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Patient Name (Last, First, Middle)	Birth Date (mm-dd-yyyy)
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Family History (attach Pedigree if available)

Are there any affected relatives?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	If yes, relationship: _____
Is there any consanguinity in the family?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
Have relatives had molecular genetic testing?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	If yes, specify: _____

Ethnicity

European Caucasian African American Hispanic Asian Other: _____

Clinical History (check all that apply)

Age of onset of symptoms: _____ Durations of symptoms: _____

Has the patient received a hematopoietic cell transplant? Yes No If yes, transplant date (mm-dd-yyyy): _____

Transplant type: allogeneic (MRD, MURD, haplo, cord, BM): _____

Donor chimerism: % T: _____ % B: _____ % NK: _____ % myeloid: _____

Has the patient received a solid organ transplant? Yes No

If yes, Heart Lung Liver Kidney Vascularized Composite allograft

Other, specify: _____

First transplant or multiple: _____

Post-transplant immunosuppression

Graft versus host disease? Yes: Acute Chronic No

Laboratory Findings

Abnormal lymphocyte (T-, B-, and NK-cell) subset quantitation: _____

Humoral Markers

Abnormal B-cell function (vaccine antibody responses): _____

Autoantibodies present (specify): _____

Hypogammaglobulinemia:

IgG IgA IgM

IgD IgE

Hypergammaglobulinemia:

IgG IgA IgM

IgD IgE

Cellular Markers

Abnormal TREC assay (NBS and/or other): _____

Abnormal T-cell function (specify mitogens/antigens/anti-CD3/cytokine production);

T-cell markers:

Naive: Increased Decreased

Memory: Increased Decreased

Activated: Increased Decreased

B-cell markers:

Switched memory: Increased Decreased

Marginal zone B-cells: Increased Decreased

Transitional B-cells: Increased Decreased

Plasmablasts: Increased Decreased

Cytokines

IL-1b: Increased Decreased

IL-6: Increased Decreased

IL-18: Increased Decreased

TNF alpha: Increased Decreased

Interferon-gamma: Increased Decreased

Chromosomal Studies

22q deletion FISH

Chromosomal array

Other chromosomal abnormality: _____

Protein Loss Markers

Calprotectin

24-hour stool alpha-1 antitrypsin clearance assay

Serum albumin

Proteinuria: Yes No

Soluble Biomarkers

ADAMTS13

Activity: _____ Level: _____

Shiga toxin: Positive Negative

Vitamin B12: _____

Folate: _____

Ferritin: _____

Soluble IL2R-alpha (sCD25): _____

CRP: _____

ESR: _____

Triglycerides: _____

Fibrinogen: _____

AFP level (age when tested): _____

ALPS screening panel:

DNT-cell % as % CD3+ : _____

sFASL: Increased Abnormal

Complement Serology

CH50: Normal Abnormal

AH50: Normal Abnormal

FH autoantibody: Yes No

FH: Normal Abnormal

FB: Normal Abnormal

FI: Normal Abnormal

FD: Normal Abnormal

sMAC: Normal Abnormal

aHUS serology panel

C2 level: _____

Function: Normal Abnormal

C3 level: _____

Function: Normal Abnormal

C4 level: _____

Function: Normal Abnormal

C5 level: _____

Function: Normal Abnormal

C6-C9 level: _____

Function: Normal Abnormal

C1q level: _____

Function: Normal Abnormal

C1q antibody: Yes No

C3NeF: Yes No

Other: _____

Other Markers

Abnormal radiosensitivity: Yes No (blood, MB, or fibroblasts)

Specific protein assay by flow cytometry:

BTK: Normal Abnormal

LRBA: Normal Abnormal

DOCK8: Normal Abnormal

WAS: Normal Abnormal

XIAP: Normal Abnormal

SAP: Normal Abnormal

