

Primary Immunodeficiencies Patient Information

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	Pat	tient	Infor	mation
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Patient Name (Last, First, Middle)		Birth Date (mm-dd-yyyy)	Sex □ Male □ Female
Referring Provider Name (Last, First)		Phone	Fax*
Other Contact Name (Last, First)		Phone	Fax*
Reason for Testing	*Fax number give	n must be from a fax machine that	complies with applicable HIPAA regulations
☐ Diagnosis ☐ Newborn Screening Follow	-up □ Carrier Testing □ Family	History	
Note: Genetic testing should always be initiate for at-risk relatives.	ed on an affected family member first,	when available, in order to	be most informative
Indications Check all that apply.			
Autoinflammatory Periodic fever Familial Mediterranean fever (FMF) Hyper IgD syndrome Cryopyrin-associated periodic syndromes (CAPS) Blau syndrome PAPA syndrome PFAPA syndrome TRAPS (TNF-receptor-associated periodic syndromes) PLAID/APLAID Amylopectinosis and autoinflammation Majeed syndrome; CRMO Other inflammasome-related disorders Other autoinflammatory conditions, specify: B-Cell Deficiency; Agammaglobulinemia	Inflammatory Bowel Disease/ Enteropathy/Hepatic PID Chronic IBD-like disorder and (Ulcerative colitis Crohn disease Enteropathy, hypogammaglobul autoinflammation, and autoimr IBD, lymphadenopathy Veno-occlusive disease (in context of PID; VODI) NRH (nodular regenerative hyperplasia) Phagocytic PID/ Chronic Granulomatous Disease Recurrent pneumonia, soft-tiss granulomas, recurrent abscess specific microbial infections; specific	Severe col CID Combined T-cell lymp (T-, B-, NK Reticular of (T-, B-, NK (VDJ recor (T-, B+, Nk (X-linked S) (X-linked	mbination defects; CID) K-) SCID SCID; JAK3 SCID) K+) SCID (T-cell SCID) current EBV infections/ noproliferative disease ED8+ T-cell deficiency or absence ass I or class II molecules chocyte syndrome, type I or II)
□ Recurrent sinopulmonary infections □ Hypogammaglobulinemia □ Lymphoproliferation □ Increased IgM (Hyper IgM) □ Class-switch recombination defects Complement aHUS/TMA □ Atypical hemolytic uremic syndrome (aHUS) □ Thrombotic microangiopathy (TMA) □ Thrombotic thrombocytopenic purpura (TTP)	□ Palmoplantar keratoderma with periodontitis (Papillon-Lefvre) □ Delayed umbilical cord separate omphalitis □ Leukocytosis □ Absence of pus (leukocyte adhedeficiencies) □ Bleeding diathesis □ Comel-Netherton syndrome □ Favism (hemolysis, neonatal hyperbilirubinemia) □ Pulmonary alveolar proteinosis □ Other neutrophil-associated phenotypes □ Bombay blood group □ Gingivitis □ Periodontitis	Congenital Neutro Congenital Neutro Congenital Syndrome) Cyclic neu Shwachma Wiskott-Al Cohen syn G6PD defic	sis congenita row failure syndrome athies openia/Neutrophil PID I neutropenia (Kostmann tropenia an-Diamond syndrome drich syndrome drome drome ciency

Primary Immunodeficiencies Patient Information (continued)

Patient Name (Last, First, Middle)	·	Birth Date (mm-dd-yyyy)			
Family History Attach Pedigree if available.					
Are there any affected relatives?					
Is there any consanguinity in the family? Have relatives had molecular genetic testing? If yes, specify:	☐ Yes ☐ No				
Ethnicity					
☐ European Caucasian ☐ African American	☐ Hispanic ☐ Asian ☐ Other:	-			
Clinical History Check all that apply.					
Age of onset of symptoms: Durations of symptoms:					
		date (mm-dd-yyyy):			
Iransplant type: allogeneic (MRD, MURD, ha	aplo, cord, BM): % NK: %	musicidi			
Has the patient received a solid organ transplan		iniyelola			
If yes, ☐ Heart ☐ Lung ☐ Liver	☐ Kidney ☐ Vascularized Composite allog	9 1			
Post-transplant immunosuppression Graft versus host disease? ☐ Yes: ☐ A	cute Chronic No				
Laboratory Findings	Cytokines	Complement Serology			
☐ Abnormal lymphocyte (T-, B-, and NK-cell) subset quantitation:	IL-1b: ☐ Increased ☐ Decreased IL-6: ☐ Increased ☐ Decreased	☐ CH50: ☐ Normal ☐ Abnormal ☐ AH50: ☐ Normal ☐ Abnormal			
and MX-cenj subset quantitation.	IL-18: ☐ Increased ☐ Decreased	☐ FH autoantibody: ☐ Yes ☐ No			
Humoral Markers	TNF alpha: □ Increased □ Decreased Interferon-gamma:	☐ FH: ☐ Normal ☐ Abnormal			
☐ Abnormal B-cell function	☐ Increased ☐ Decreased	☐ FB: ☐ Normal ☐ Abnormal			
(vaccine antibody responses):	Chromosomal Studies	☐ FI: ☐ Normal ☐ Abnormal ☐ FD: ☐ Normal ☐ Abnormal			
☐ Autoantibodies present, specify:	☐ 22q deletion FISH	□ sMAC: □ Normal □ Abnormal			
Autoantibodies present, specify.	☐ Chromosomal array	☐ aHUS serology panel			
☐ Hypogammaglobulinemia:	☐ Other chromosomal abnormality	C2 level:			
□ IgG □ IgA □ IgM	Bushin Land Madana	Function: Normal Abnormal C3 level:			
☐ IgD ☐ IgE ☐ Hypergammaglobulinemia:	Protein Loss Markers ☐ Calprotectin	Function: Normal Abnormal			
☐ IgG ☐ IgA ☐ IgM	☐ 24-hour stool alpha-1 antitrypsin	C4 level:			
□ lgD □ lgE	clearance assay	Function: □ Normal □ Abnormal C5 level:			
Cellular Markers	☐ Serum albumin ☐ Serum albumin ☐ Proteinuria: ☐ Yes ☐ No ☐ Function: ☐ Normal ☐ Abn				
☐ Abnormal TREC assay (NBS and/or		C6–C9 level:			
other): ☐ Abnormal T-cell function (specify	Soluble Biomarkers ☐ ADAMTS13	Function: Normal Abnormal			
mitogens/antigens/anti-CD3/cytokine	Activity: Level:	C1q level: Function: □ Normal □ Abnormal			
production);	☐ Shiga toxin: ☐ Positive ☐ Negative	C1q antibody:			
☐ T-cell markers: Naive: ☐ Increased ☐ Decreased	Uitamin B12:	C3NeF: ☐ Yes ☐ No			
Memory: ☐ Increased ☐ Decreased	☐ Folate: ☐ Ferritin:	Other:			
Activated: ☐ Increased ☐ Decreased	☐ Soluble IL2R-alpha (sCD25):	Other Markers ☐ Abnormal radiosensitivity: ☐ Yes ☐ No			
☐ B-cell markers:	□ CRP:	(blood, MB, or fibroblasts)			
Switched memory:	☐ ESR:	☐ Specific protein assay by flow cytometry:			
☐ Increased ☐ Decreased Marginal zone B-cells:	☐ Fibrinogen:	BTK: Normal Abnormal			
☐ Increased ☐ Decreased	☐ AFP level (age when tested):	LRBA: □ Normal □ Abnormal DOCK8: □ Normal □ Abnormal			
Transitional B-cells: ☐ Increased ☐ Decreased	☐ ALPS screening panel:	WAS: Normal Abnormal			
Plasmablasts:	DNT-cell % as % CD3+ : sFASL: □ Increased □ Abnormal	XIAP: □ Normal □ Abnormal			
☐ Increased ☐ Decreased	SS. S. Morodoca S. Abriotina	SAP: □ Normal □ Abnormal			

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Primary Immunodeficiencies Patient Information (continued)

Patient Name (Last, First, Middle)

Other Markers (continued)		☐ Anti-granulocyte antibody	Other Clinical Symptoms:
☐ Functional studies:		☐ COOMBS test: ☐ Positive ☐ Negative	, , , , , , , , , , , , , , , , , , , ,
T-cell: Normal	☐ Abnormal	☐ Lymphangiectasia, location:	
(specify mitogens/anti	gens/anti-CD3/		
cytokine production)			
STAT signaling:		Oncologic History	
☐ Normal	☐ Abnormal	☐ Myelodysplasia/AML	Madiasticus
DHR: 🗆 Normal	☐ Abnormal	☐ Lymphoma, specify:	Medications
Calcium signaling:	_		On immunosuppressant therapy?
☐ Normal	☐ Abnormal	☐ Solid tumor, specify:	☐ Yes ☐ No
Other:			Previous immunosuppressant therapy:
☐ Telomere length:		☐ Leukemia, specify:	Duration: Date of use:
Lymphoid: Normal			Date of use:
Myeloid: ☐ Normal	□ <10% □ <1%	☐ Recurrent primary tumors, specify:	Other Comments:
□ ADA1:			Othor Commonts:
	Level:	☐ Other:	
□ ADA2:	Lovel		
	Level:	Head and Neck	
□ PNP:	Level:	□ Dysmorphic facies, specify:	
Other findings:		☐ Lymphadenopathy	
		☐ Microcephaly	
Infactious Disease History		☐ Oral leukoplakia	
Infectious Disease History	root infactions.	☐ Small lymph nodes and/or tonsils	
☐ Recurrent, difficult to t		☐ Thymic hypoplasia	Attach clinical notes if available.
☐ Viral ☐ Bacterial	•	☐ Abnormal CT/MRI of brain:	
☐ Recurrent pneumonia,	ear intections,		
or sinusitis	44	□ Other:	
Recurrent deep absces or skin	sses of the organs		
☐ Multiple courses of an	tihiatiaa naaaaaaru	Skin/Hair	
to clear infections	ubiduos necessai y	☐ Albinism	
☐ On replacement immu	noglobulin	☐ Alopecia	
	Hogioballii	☐ Dysplastic nails	
Hematologic/Vascular Histor	rv	☐ Ectodermal dysplasia	
☐ Lymphopenia: subset a		□ Eczema	
(cells/mcL):	aria obarre	☐ Hypopigmentation/hyperpigmentation	
☐ Lymphocytosis: subset	t and count	☐ Rash/dermatitis	
(cells/mcL):		☐ Telangiectasia of eyes or skin	
Leukocytosis:		□ Other:	
☐ Bone marrow failure			
☐ Bone marrow biopsy		General History	
Abnormalities seen:	□ Yes □ No	☐ Acute liver failure	
☐ Marrow cellularity:		☐ Cardiac surgery in infancy or early	
☐ Myelokathexis		childhood	
☐ Agranulocytosis		□ Dental anomalies	
☐ Neutrophilia		☐ Failure to thrive	
☐ Cytopenias (2 of 3 cell	(sancanil	☐ Fever(s)	
☐ Leukopenia/neutropen		☐ Fontan procedure	
		☐ (Hepato) splenomegaly	
☐ Thrombocytopenia/small platelets		☐ Lethargy	
☐ Anemia		☐ Protein losing enteropathy	
☐ Lymphedema		☐ Respiratory insufficiency/failure	
☐ Aneurysms	ANI\	☐ Skeletal anomalies	
☐ Polyarteritis nodosa (PAN)		☐ Sudden unexplained coma/death	
☐ Stroke		☐ Thymectomy	
☐ Anti-platelet antibody		,	

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