Immunodermatology testing is essential for the correct diagnosis and treatment of many diseases affecting epithelial organs including skin, mucous membranes, gastrointestinal and respiratory tracts. Tests are performed on blood and tissues that are sent to our laboratory from medical facilities and referring physicians across the United States. The Immunodermatology Laboratory at the University of Utah and its team of Board Certified Immunodermatologists are committed to providing reliable, rapid, and comprehensive diagnostic testing. We welcome all requests from physicians seeking immunodermatology testing.

**DISEASES**

- Celiac disease
- Childhood immunobullous disease
- Cutaneous vasculitis including Henoch Schönlein purpura
- Dermatitis herpetiformis
- Drug reactions
- Eosinophil-associated diseases
- Epidermolysis bullosa acquisita
- Lichen planus and lichenoid reactions including erythema multiforme
- Linear IgA bullous dermatosis
- Lupus erythematosus (all types)
- Mixed, overlap and undifferentiated connective tissue disease
- Pemphigoid—all types, including pemphigoid (herpes) gestationis
- Pemphigus—all types, including paraneoplastic pemphigus

**IMMUNODERMATOLOGY TESTING SERVICES**

**Tissue specimens (skin and mucous membrane)**

*Direct immunofluorescence staining and pattern interpretation*

- IgG, IgM, IgA, C3 and fibrinogen
- IgG subclasses
- Epidermal transglutaminase (transglutaminase 3)

**Serum specimens**

*Indirect immunofluorescence*

- IgA and IgG endomysial (dermatitis herpetiformis and celiac disease) antibodies
- IgG and IgA basement membrane zone (pemphigoid, linear IgA bullous dermatosis, epidermolysis bullosa acquisita) antibodies
- Pemphigoid (herpes) gestationis factor
- IgG and IgA cell surface (pemphigus) antibodies
- Paraneoplastic pemphigus screen on rodent tissues

**Nephelometry**

- Total Serum IgA

**Enzyme linked immunosorbent assay (ELISA)**

- Bullous pemphigoid (BP) IgG BP 180 and IgG BP 230 antibody levels
- Pemphigus IgG desmoglein 1 and IgG desmoglein 3 antibody levels
- IgA and IgG tissue transglutaminase (transglutaminase 2) antibody levels (dermatitis herpetiformis and celiac disease)
- IgA epidermal transglutaminase (transglutaminase 3) antibody level (dermatitis herpetiformis)
- IgG collagen VII antibody level (epidermolysis bullosa acquisita)

**Other available tests**

- Histological examination of fixed tissue
- IgG laminin 332 antibodies by immunoblot
- Eosinophil granule proteins in tissue (fixed or frozen specimens)

**ENHANCED CUSTOMER SERVICES**

- Consultation for clinical questions for patient care and test interpretation
- Timely reporting
- Comparison charts and graphs with sequential serum testing
- Digital images of positive results available upon request
- Local courier services and expedited prepaid shipping
- Complimentary specimen kits
- Laboratory services billing department
- Extensive participating insurance list
OUR IMMUNODERMATOLOGY TEAM

Dr. Kristin M. Leiferman and Dr. John J. Zone are committed to accurate, prompt and innovative diagnostic testing supported with clinical expertise and consultation service to medical care providers.

Together they have extensive experience in diagnostic testing of immune-mediated dermatologic diseases, allergic diseases and gastrointestinal disease associated with gluten sensitivity.

KRISTIN M. LEIFERMAN, M.D.
Professor of Dermatology,
Co-Director of Immunodermatology Laboratory,
Department of Dermatology,
University of Utah

JOHN J. ZONE, M.D.
Professor of Dermatology,
Chairman of the Department of Dermatology,
Co-Director of the Immunodermatology Laboratory,
University of Utah

Medical School
Medicine - Mayo Medical School

Residency
Dermatology - Mayo Clinic, Rochester, Minnesota

Professional Society Fellowships
American Academy of Dermatology
American Academy of Allergy, Asthma and Immunology

Board Certification(s)
American Board of Dermatology (Dermatology)
American Board of Dermatology (Sub: Dermatological Immunology/Diagnostic and Laboratory Immunology)

Medical School
Medicine - The State University of New York (SUNY) at Syracuse

Residency
Internal Medicine - SUNY at Syracuse
Dermatology - SUNY at Buffalo

Board Certification(s)
American Board of Dermatology (Dermatology)
American Board of Dermatology (Sub: Dermatological Immunology/Diagnostic and Laboratory Immunology)
American Board of Internal Medicine (Internal Medicine)

CONTACT US

Our Immunodermatology Laboratory Office is open from 8 a.m. – 4:30 p.m., Mountain Time, Monday – Friday. We will return all calls and inquiries received after normal business hours the next business day. Our office will be able to assist you with the orders of complimentary specimen kits, testing and billing questions.

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