**SPECIMEN REQUIREMENTS**

Specimen Collection Kits are available free of charge from Immco Diagnostics. Call 800-537-8378 for an immediate shipment of collection kits. Specimens need not be refrigerated or frozen.

**Serum Studies:** Collect 5-10 ml of blood in a red top or serum separator tube. If possible, separate serum from clot and place into clear tube provided. Do not puncture top of clear tube. If separation facilities are not available, the blood can be sent in the tube used for collection.

**Biopsy Studies:** When submitting a biopsy specimen for Immunoassay analysis only, place one biopsy specimen from the edge of the lesion in the red capped tube provided with the collection kit and place one biopsy specimen from a normal site in the purple tube. These tubes contain a holding solution for immunofluorescence specimens.

When submitting specimens for routine histological studies (H&E) only, place one normal or excisional biopsy specimen in the green tube provided with the collection kit or in a tube containing 10% formalin. When submitting specimens for immunofluorescence studies, take one biopsy specimen from the edge of the lesion and divide it in half. Place one half in the green tube provided with the collection kit or in a tube containing 10% formalin for H&E, and place the other half in the red tube provided with the collection kit. Take a second biopsy specimen from a normal site and place it in the purple tube provided with the collection kit. For additional information, please consult the Collection & Handling section in the Immco Laboratory Services Directory.

**BIOPSY SITE SELECTION**

Proper biopsy sites for various tests and conditions indicated below.

**Direct Immunofluorescence**

- **Vesiculo-bullous diseases**
  - Pemphigus, Pemphigoid, Linear IGA Bullous Dermatosis (LABD), EB bullous pemphigoid (BP)
  - Tissue: skin, mucosa
  - Site: Perianal, erythematous active lesion or active bulla
- **Discoid rash**
  - Lupus erythematosus
  - Induced in vitro split (IF)
- **Skin**
  - Melanoma
  - Site: Take from a normal lesion
- **Oral or nasopharyngeal ulceration**
  - Herpes labialis, herpes gestationis (HG)
  - Site: Erythematosus or active border of new lesion

**ORAL PATHOLOGY**

1,501 Direct Immunofluorescence
1,502 Light Microscopy (H&E)
1,503 Hereditary Epidermolysis Bullosa Classification

**CLINICAL INFORMATION**

Please note that lack of complete information may delay results.

- **Type of Biopsy**
  - Skin
  - Oral
  - Other
- **Biopsy Site:** Immunofluorescence (IF)
  - Lesional
  - Normal
  - Perilesional
- **Biopsy Site:** Histopathology (H&E)
  - Lesional

**Suspected Diagnosis**

- **Malar rash**
- **Discoid rash**
- **Photosensitivity**
- **Oral or nasopharyngeal ulceration**
- **Arthritis**
- **Serositis (pleuritis or pericarditis)**
- **Neurologic disorder (psychosis or seizures)**
- **Renal disorder**
  - Proteinuria (> 0.5 g/day)
  - Cellular cast
- **Hematologic disorders**
  - Hemolytic anemia
  - Leukopenia (< 4,000/mm³)
  - Lymphopenia (< 1,000/mm³)
  - Thrombocytopenia (< 100,000/mm³)
- **Immunologic disorder**
  - Lymphocytosis
  - Anti-DNA antibody
  - Anti-Cardiolipin antibody
  - False positive anti-Smith antibody
  - Abnormal antinuclear antibody titre

For suspected SLE, check appropriate ACR criteria

**DERMATOPATHOLOGY•OCULAR PATHOLOGY**

1,501 Direct Immunofluorescence
1,502 Light Microscopy (H&E)
1,503 Hereditary Epidermolysis Bullosa Classification

**Figure 1**

2,501 - 2,503 Biopsy Site:

- Immunofluorescence (IF)
  - Lesional
  - Normal
  - Perilesional
- Pathological analysis

**ORAL PATHOLOGY**

1,501 - 1,503 Biopsy Site:

- Immunofluorescence (IF)
  - Lesional
  - Normal
  - Perilesional
- Pathological analysis

**SPECIMEN COLLECTION**

Pack Specimen Collection Kit following these simple steps:

1. Place tube(s) into specimen bag.
2. Place test requisition and a copy of the patient’s paperwork into the outside pocket of specimen bag.
3. Fold and roll specimen bag and contents into white paper mailer box and place in the enclosed poly courier bag.

**Questions?**

Call 1.800.537.8378 for Immco Customer Service or visit us online at immco.com.

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Systemic Lupus Erythematosus (SLE)

- ANA titer and pattern on Hep-2 & Mouse kidney
- SSA/O, SSB/La, Scl-70, Jo-1, PM-Scl, PCNA

Rheumatoid Arthritis

- RF; IgG, IgA & IgM
- Rheumatoid Factor (Rheumatoid Factor (RF)); IgG, IgA, IgM
- Cyclic Citrullinated Peptides (CCP) antibody
- HLA DR4 (Genetic Risk Factor)
- Anti-citrullinated Protein (ACP) antibody

Scleroderma

- Anti-centromere antibody (ACA) titer
- Anti-Scl-70 antibody
- ANA titer and pattern on Hep-2 & Mouse kidney
- SSA/O, SSB/La, Scl-70, Jo-1

Sjogren's Syndrome

- Anti-Ro/SS-A antibody
- Anti-La/SS-B/La antibody
- Anti-Ro/SS-A antibody
- Anti-La/SS-B/La antibody

Relapsing Polychondritis

- Anti-Collagen Type II antibody

Antiphospholipid Syndrome (APS)

- Anti-cardiolipin antibody (ACA)
- Anti-beta 2-glycoprotein (B2GPI)
- Anti-phospholipid antibodies (IgG, IgA, IgM)
- Anti-phospholipid antibodies (IgG, IgA, IgM)

Antineutrophil Cytoplasmic Antibodies (ANCA)

- PR3 (cANCA) antibody
- MPO (pANCA) antibody
- ASMA smooth muscle antibody titer
- SRP (Signal Recognition Particle)

Vasculitis

- ANCA and anti-neutrophil cytoplasmic antibodies (c-ANCA)
- ANCA profile
- ANCA profile

Antithrombotic Therapy

- Anti-cardiopatia antiphospholipid antibodies (IgG, IgM)
- Anti-cardiopatia antiphospholipid antibodies (IgG, IgM)

Endocrinology and Infertility

- Type 1 Diabetes (IDDM)
- Type 2 Diabetes
- Autoimmune Hemolytic Anemia

Neuroimmunology

- Neuropeptides
- Paraneoplastic Syndromes
- Sjogren's Syndrome

Gastroenterology

- Celiac Disease
- Endomysial (EMA) IgA antibody test
- Anti-reticulin (ARA) IgA antibody test
- Anti-gluten antibody (IgG, IgA, IgM)
- Anti-tissue transglutaminase (TTG) IgA antibody test

Transplant Immunology

- Organ Transplant Candidate (HLA antibody Screen & Typing: A, B, Bw, DR, DQ, DRw –low resolution/ABO / Pretransplant & Typing: A, B, DR, DQ, DRw –low resolution/ABO)
- Donor Specific Antibodies
- Inflammatory Bowel Disease (IBD)
- Ulcerative Colitis Pancreatitis Panel

Cardiology

- Phospholipid antibody; IgG, IgA & IgM
- Aspirin Bleeding Time
- Liver Function Tests
- Thyroid Autoantibody Profile
- Thyroid stimulating hormone (TSH)
- Thyroid-stimulating hormone (TSH)

Immunogenetics

- Disease Associations
- HLA DR (Diabetes/Necrolysis)
- HLA DR (Diabetes/Necrolysis)
- HLA DR (Diabetes/Necrolysis)
- Antigen Typing: A, B, Bw, DR, DQ, DRw –low resolution/ABO / Pretransplant & Typing: A, B, DR, DQ, DRw –low resolution/ABO

Otolaryngology

- Parotid Staining
- Motor & Sensory Neuropathy Profile
- Antiphospholipid Syndrome (APS) Profile I

Please Note: Test codes listed are categorized by disease association and are not necessarily in numerical order. Tests noted in blue are profiles.

Genetic Tests:  
2 tubes unaccomulated whole blood

ImmuDx Diagnostics, Inc. complies with the Health Insurance Portability and Accounting Act (HIPAA). The information provided herein will remain strictly confidential. For a copy of ImmuDx's Policy, please contact customer service.