

### Client Information (required)

Client Name		
Client Account No.		
Client Phone	Client Order No.	
Street Address		
City	State	ZIP Code

### Submitting Provider Information (required)

Submitting/Referring Provider <i>(Last, First)</i>
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#### Fill in only if Call Back is required.

Phone (with area code)	Fax (with area code)
Provider's National I.D. (NPI)	

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

### Clinical Information

<input type="checkbox"/> Native biopsy <input type="checkbox"/> Allograft biopsy: Transplant date <i>(mm-dd-yyyy)</i> : _____ Original disease: _____
<b>Indications</b> <input type="checkbox"/> Hematuria <input type="checkbox"/> Acute renal failure <input type="checkbox"/> Hypertension <input type="checkbox"/> Systemic lupus <input type="checkbox"/> Proteinuria <input type="checkbox"/> Family history <input type="checkbox"/> Diabetes <input type="checkbox"/> Other, specify: _____

### Patient Information (required)

Patient ID (Medical Record No.)	
Patient Name <i>(Last, First, Middle)</i>	
Sex <input type="checkbox"/> Male <input type="checkbox"/> Female	Birth Date <i>(mm-dd-yyyy)</i>
Collection Date <i>(mm-dd-yyyy)</i>	Time <input type="checkbox"/> am <input type="checkbox"/> pm

### Ethnicity

<input type="checkbox"/> European/Caucasian	<input type="checkbox"/> African American
<input type="checkbox"/> Hispanic	<input type="checkbox"/> Asian
<input type="checkbox"/> Other: _____	

### Pathologist Name (required)

Submitting/Referring Pathologist <i>(Last, First)</i>	
Phone (with area code)	Fax (with area code)

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

<b>MCL Internal Use Only</b>
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#### Ship specimens to:

Mayo Clinic Laboratories  
3050 Superior Drive NW  
Rochester, MN 55901

**Customer Service: 855-516-8404**

Visit [www.MayoClinicLabs.com](http://www.MayoClinicLabs.com) for the most up-to-date test and shipping information.

#### Billing Information

- An itemized invoice will be sent each month.
- Payment terms are net 30 days.

Call the Business Office with billing related questions:  
800-447-6424 (US and Canada)  
507-266-5490 (outside the US)

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**RENAL PATHOLOGY**

**Medical Renal Disease and Renal Transplant Monitoring**

RPCWT Renal Pathology Consultation, Wet Tissue  
RPCWT includes diagnostic interpretation of a medical kidney biopsy by integrating light microscopy, immunofluorescence, and electron microscopy findings together with clinical and laboratory data for the patient.

**Renal Pathology Tests Available to Order Individually**

ALPRT Alport (Collagen IV Alpha 5 and Alpha 2) Immunofluorescent Stain, Renal Biopsy

AMPIP Amyloid Protein Identification, Paraffin, LC-MS/MS

DNJB9 DNAJB9 Immunostain, Technical Component Only

EXT2 Exostosin 2 (EXT2) Immunostain

MSFGN Fibrillary Glomerulonephritis Confirmation, LC-MS/MS, Paraffin Tissue

SUBIF Immunoglobulin G (IgG) Subtypes Immunofluorescence, Tissue

IGG4I IgG4 Immunostain, Technical Component Only

NELL1 Neural Epidermal Growth Factor-Like 1 Protein Immunostain

PLAIF Phospholipase A2 Receptor (PLA2R), Renal Biopsy

THSIF Thrombospondin Type 1 Domain Containing 7A (THSD7A), Immunofluorescence

Note: As required, these tests are performed with RPCWT.

BUN Blood Urea Nitrogen (BUN), Serum

CAI Calcium, Ionized, Serum

CA Calcium, Total, Serum

CTU Creatinine, 24 Hour, Urine

CRBF Creatinine, Body Fluid

RCTUR Creatinine, Random, Urine

CRCL Creatinine Clearance, Serum and 24 Hour Urine

CRTS1 Creatinine with Estimated GFR (CKD-EPI), Serum

CYSPR Cyclosporine, Blood

CYCPK Cyclosporine, Peak, Blood

CSTCE Cystatin C with Estimated GFR, Serum

CMVQN Cytomegalovirus (CMV) DNA Detection and Quantification by Real-Time PCR, Plasma

ELPSR Electrolyte Panel, Serum

EBVQN Epstein-Barr Virus DNA Detection and Quantification, Plasma

EVROL Everolimus, Blood

MPA Mycophenolic Acid, Serum

PTH Parathyroid Hormone (PTH) Immunostain, Technical Component Only

PHOS Phosphorus (Inorganic), Serum

KS Potassium, Serum

RPTU1 Protein/Creatinine Ratio, Random, Urine

PTU Protein, Total, 24 Hour, Urine

RFAMA Renal Function Panel, Serum

SIIRO Sirolimus, Whole Blood

TAKRO Tacrolimus, Blood

**Kidney Function / Monitoring**

DHVD 1,25-Dihydroxyvitamin D, Serum

25HDN 25-Hydroxyvitamin D2 and D3, Serum

ALB24 Albumin, 24 Hour, Urine

ALBR Albumin, Random, Urine

A124 Alpha-1-Microglobulin, 24 Hour, Urine

RA1U Alpha-1-Microglobulin, Random, Urine

HCO3 Bicarbonate, Serum

BUN Blood Urea Nitrogen (BUN), Serum

CLU Chloride, 24 Hour, Urine

RCHLU Chloride, Random, Urine

CL Chloride, Serum

CTU Creatinine, 24 Hour, Urine

CRBF Creatinine, Body Fluid

RCTUR Creatinine, Random, Urine

CRCL Creatinine Clearance, Serum and 24-Hour Urine

CRTS1 Creatinine with Estimated GFR (CKD-EPI), Serum

CSTCE Cystatin C with Estimated Glomerular Filtration Rate (eGFR), Serum

EFPO Electrolyte and Osmolality Panel, Feces

EOSU1 Eosinophils, Random, Urine

HEXP Iohexol, Plasma

HEXU Iohexol, Timed Collection, Urine

NSRC Iothalamate, Glomerular Filtration Rate, Plasma and Urine

UOSMU Osmolality, Random, Urine

UOSMS Osmolality, Serum

PHOS Phosphorus (Inorganic), Serum

RPTU1 Protein/Creatinine Ratio, Random, Urine

12PU1 Protein, Total, 12 Hour, Urine

PTU Protein, Total, 24 Hour, Urine

TPBF Protein, Total, Body Fluid

TP Protein, Total, Serum

TPSF Protein, Total, Spinal Fluid

RFAMA Renal Function Panel, Serum

RB24 Retinol-Binding Protein, 24 Hour, Urine

RBR Retinol-Binding Protein, Random, Urine

SGUR Specific Gravity, Random, Urine

URAU Urea, 24 Hour, Urine

URCON Urea, Random, Urine

RURC1 Uric Acid/Creatinine Ratio, Random, Urine

URIC Uric Acid, Serum

**HEREDITARY RENAL DISORDERS**

AGXTZ AGXT Gene, Full Gene Analysis, Varies

APOL1 APOL1 Genotype, Varies

APO1Z Apolipoprotein A-I (APOA1) Gene, Full Gene Analysis, Varies

APO2Z Apolipoprotein A-II (APOA2) Gene, Full Gene Analysis, Varies

ARPKZ Autosomal Recessive Polycystic Kidney Disease (ARPKD), Full Gene Analysis, Varies

AHUSP Complement-Mediated Atypical Hemolytic-Uremic Syndrome (aHUS)/Thrombotic Microangiopathy (TMA) Gene Panel, Varies

GSNZ Gelsolin (GSN) Gene, Full Gene Analysis, Varies

GRHPZ GRHPR Gene, Full Gene Analysis, Varies

LYZZ Lysozyme (LYZ) Gene, Full Gene Analysis, Varies

ATTRZ TTR Gene, Full Gene Analysis, Varies

Note: Known Variant Testing Also Available—call to order.

**KIDNEY FUNCTION / DIALYSIS / TRANSPLANT MONITORING**

**Dialysis Monitoring**

AL Aluminum, Serum

UEBF Blood Urea Nitrogen, Body Fluid

GDUCR Gadolinium/Creatinine Ratio, Random, Urine

DOXA1 Oxalate Analysis, Hemodialysate

POXA1 Oxalate, Plasma

**Transplant Monitoring**

25HDN 25-Hydroxyvitamin D2 and D3, Serum

ALB24 Albumin, 24 Hour, Urine

ALBR Albumin, Random, Urine

HCO3 Bicarbonate, Serum

PBKQN BK Virus DNA Detection and Quantification, Plasma

UBKQN BK Virus DNA Detection and Quantification, Random, Urine

QBKU BK Virus, Molecular Detection, Quantitative, PCR, Urine

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**ADDITIONAL RENAL DISEASE TESTING**

**Amyloidosis**

APO1Z Apolipoprotein A-I (APOA1) Gene, Full Gene Analysis, Varies

APO2Z Apolipoprotein A-II (APOA2) Gene, Full Gene Analysis, Varies

GSNZ Gelsolin (GSN) Gene, Full Gene Analysis, Varies

LYZZ Lysozyme (LYZ) Gene, Full Gene Analysis, Varies

ATTRZ TTR Gene, Full Gene Analysis, Varies

**Glomerular Disease - Nephritic**

ALB24 Albumin, 24 Hour, Urine

A124 Alpha-1-Microglobulin, 24 Hour, Urine

RA1U Alpha-1-Microglobulin, Random, Urine

VASC Antineutrophil Cytoplasmic Antibodies Vasculitis Panel, Serum

Note: Includes MPO and PR3 with reflex to ANCA if positive.

ANA2 Antinuclear Antibodies (ANA), Serum

C3 Complement C3, Serum

C4 Complement C4, Serum

CRY\_S Cryoglobulin, Serum

ANCA Cytoplasmic Neutrophil Antibodies, Serum

GBM Glomerular Basement Membrane Antibodies, IgG, Serum

MPO Myeloperoxidase Antibodies, IgG, Serum

CLPMG Phospholipid (Cardiolipin) Antibodies, IgG and IgM, Serum

PR3 Proteinase 3 Antibodies, IgG, Serum

PTU Protein, Total, 24 Hour, Urine

RHUT Rheumatoid Factor, Serum

**Glomerular Disease – Nephrotic**

ALB24 Albumin, 24 Hour, Urine

A124 Alpha-1-Microglobulin, 24 Hour, Urine

RA1U Alpha-1-Microglobulin, Random, Urine

EPU Electrophoresis, Protein, 24 Hour, Urine

SPEP Electrophoresis, Protein, Serum

MALD Protein Isotype, Matrix-Assisted Laser Desorption-Ionization Time-of-Flight Mass Spectrometry, Serum

TMOGA Monoclonal Gammopathy Monitoring, Serum

DMOGA Monoclonal Gammopathy Screen, Serum

MPSU Monoclonal Protein Study, 24 Hour, Urine

RMPSU Monoclonal Protein Study, Random, Urine

OPTU Orthostatic Protein, Timed Collection, Urine

PLA2R Phospholipase A2 Receptor Antibodies, Serum

PA2RE Phospholipase A2 Receptor Enzyme-Linked Immunosorbent Assay, Serum

PA2RI Phospholipase A2 Receptor Indirect Immunofluorescence Assay, Serum

PEISO Protein Electrophoresis and Isotype, Serum

PTU Protein, Total, 24 Hour, Urine

THSD7 Thrombospondin Type-1 Domain-Containing 7A Antibodies, Serum

**Hyperoxaluria**

AGXTZ AGXT Gene, Full Gene Analysis, Varies

GRHPZ GRHPR Gene, Full Gene Analysis, Varies

HYOX Hyperoxaluria Panel, Urine

OXU Oxalate, 24 Hour, Urine

DOXA1 Oxalate Analysis in Hemodialysate

POXA1 Oxalate, Plasma

ROXUR Oxalate, Random, Urine

**Monoclonal Gammopathy**

EPU Electrophoresis, Protein, 24 Hour, Urine

SPEP Electrophoresis, Protein, Serum

DMOGA Monoclonal Gammopathy Screen, Serum

TMOGA Monoclonal Gammopathy Monitoring, Serum

MPSU Monoclonal Protein Study, 24 Hour, Urine

RMPSU Monoclonal Protein Study, Random, Urine

PEISO Protein Electrophoresis and Isotype, Serum

MALD Protein Isotype, Matrix-Assisted Laser Desorption-Ionization Time-of-Flight Mass Spectrometry, Serum

**Nephrogenic Systemic Fibrosis**

GDU Gadolinium, 24 Hour, Urine

GDUCR Gadolinium/Creatinine Ratio, Random, Urine

GDT Gadolinium, Dermal, Tissue

GDS Gadolinium, Serum

**Renal Tubular Dysfunction**

A124 Alpha-1-Microglobulin, 24 Hour, Urine

RA1U Alpha-1-Microglobulin, Random, Urine

B2MU Beta-2 Microglobulin, Random, Urine

B2M Beta-2-Microglobulin, Serum

CITR CITR Citrate Excretion, 24 Hour, Urine

CITRA Citrate Excretion, Random, Urine

RB24 Retinol-Binding Protein, 24 Hour, Urine

RBR Retinol-Binding Protein, Random, Urine

RTRP2 Tubular Reabsorption of Phosphorus, Random Urine and Serum

**Nephrolithiasis**

AMMO Ammonium, 24 Hour, Urine

RAMBO Ammonium, Random, Urine

CALU Calcium, 24 Hour, Urine

CACR3 Calcium, Random, Urine

CITR CITR Citrate Excretion, 24 Hour, Urine

CITRA Citrate Excretion, Random, Urine

HYOX Hyperoxaluria Panel, Urine

KIDST Kidney Stone Analysis

MAGU Magnesium, 24 Hour, Urine

MAGRU Magnesium/Creatinine Ratio, Random, Urine

OXU Oxalate, 24 Hour, Urine

POXA1 Oxalate, Plasma

ROXUR Oxalate, Random, Urine

POU Phosphorus, 24 Hour, Urine

RPOU Phosphorus, Pediatric, Random, Urine

SULFU Sulfate, 24 Hour, Urine

SAT24 Supersaturation Profile, 24 Hour, Urine

SSATR Supersaturation Profile, Pediatric, Random, Urine

URCU Uric Acid, 24 Hour, Urine

**Thrombotic Microangiopathy**

ADM13 ADAMTS13 Activity and Inhibitor Profile, Plasma

AHUSD Atypical Hemolytic Uremic Syndrome (aHUS) Complement Panel, Serum and Plasma

AH50 Complement, Alternate Pathway (AH50), Functional, Serum

AHUSP Complement-Mediated Atypical Hemolytic-Uremic Syndrome (aHUS)/Thrombotic Microangiopathy (TMA) Gene Panel, Varies

ECUMP Eculizumab Monitoring Panel, Serum

ECULI Eculizumab, Serum

STFRP Shiga Toxin, Molecular Detection, PCR, Feces

**Unexplained Osteomalacia/Hypophosphatemia**

DHVD 1,25-Dihydroxyvitamin D, Serum

25HDN 25-Hydroxyvitamin D2 and D3, Serum

IFG23 Intact Fibroblast Growth Factor 23, Serum

PTH2 Parathyroid Hormone, Serum

**ADDITIONAL TESTS (INDICATE TEST CODE AND NAME)**

