

### 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)
National Provider Identification (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>

#### Ship specimens to:

Mayo Clinic Laboratories  
3050 Superior Drive NW  
Rochester, MN 55901

**Customer Service: 800-533-1710**

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
- MSCG Collagenofibrotic Glomerulopathy Confirmation, Mass Spectrometry
- DNJB9 DNAJB9 Immunostain, Technical Component Only
- EXT2 Exostosin 2 (EXT2) Immunostain
- MSFGN Fibrillary Glomerulonephritis Confirmation, LC-MS/MS, Paraffin Tissue
- MSFNG Fibronectin Glomerulopathy Confirmation, Mass Spectrometry
- 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
- SEMA3 Semaphorin 3B (SEMA3B) Immunostain, Technical Component Only
- THSIF Thrombospondin Type 1 Domain Containing 7A (THSD7A), Immunofluorescence

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

**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
- 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

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HEREDITARY RENAL DISORDERS	
<input type="checkbox"/>	ALAGP Alagille Syndrome Gene Panel, Varies
<input type="checkbox"/>	ALPGP Alport Syndrome Gene Panel, Varies
<input type="checkbox"/>	APOL1 APOL1 Genotype, Varies
<input type="checkbox"/>	AHUGP Atypical Hemolytic Uremic Syndrome (aHUS)/Thrombotic Microangiopathy (TMA)/Complement 3 Glomerulopathy (C3G) Gene Panel, Varies
<input type="checkbox"/>	RBART Bartter Syndrome Gene Panel, Varies
<input type="checkbox"/>	CASRG CASR Full Gene Sequencing with Deletion/Duplication, Varies
<input type="checkbox"/>	NEPHP Comprehensive Nephrology Gene Panel, Varies
<input type="checkbox"/>	CGPH Custom Gene Panel, Hereditary, Next-Generation Sequencing, Varies
<input type="checkbox"/>	CKDGP Cystic Kidney Disease Gene Panel, Varies
<input type="checkbox"/>	RFSGS Focal Segmental Glomerulosclerosis (FSGS) and Nephrotic Syndrome Gene Panel, Varies
<input type="checkbox"/>	ADPKP Focused Autosomal Dominant Polycystic Kidney Disease Gene Panel, Varies
<input type="checkbox"/>	RSCGP Nephrocalcinosis, Nephrolithiasis, and Renal Electrolyte Imbalance Gene Panel, Varies
<input type="checkbox"/>	TTRZ TTR Gene, Full Gene Analysis, Varies
Note: Known Variant Testing Also Available—call to order.	

ADDITIONAL RENAL DISEASE TESTING	
Glomerular Disease - Nephritic	
<input type="checkbox"/>	ALB24 Albumin, 24 Hour, Urine
<input type="checkbox"/>	A124 Alpha-1-Microglobulin, 24 Hour, Urine
<input type="checkbox"/>	RA1U Alpha-1-Microglobulin, Random, Urine
<input type="checkbox"/>	VASC Antineutrophil Cytoplasmic Antibodies Vasculitis Panel, Serum
Note: Includes MPO and PR3 with reflex to ANCA if positive.	
<input type="checkbox"/>	ANA2 Antinuclear Antibodies (ANA), Serum
<input type="checkbox"/>	C3 Complement C3, Serum
<input type="checkbox"/>	C4 Complement C4, Serum
<input type="checkbox"/>	CRY_S Cryoglobulin, Serum
<input type="checkbox"/>	ANCA Cytoplasmic Neutrophil Antibodies, Serum
<input type="checkbox"/>	GBM Glomerular Basement Membrane Antibodies, IgG, Serum
<input type="checkbox"/>	MPO Myeloperoxidase Antibodies, IgG, Serum
<input type="checkbox"/>	CLPMG Phospholipid (Cardiolipin) Antibodies, IgG and IgM, Serum
<input type="checkbox"/>	PR3 Proteinase 3 Antibodies, IgG, Serum
<input type="checkbox"/>	PTU Protein, Total, 24 Hour, Urine
<input type="checkbox"/>	RHUT Rheumatoid Factor, Serum

Glomerular Disease – Nephrotic	
<input type="checkbox"/>	ALB24 Albumin, 24 Hour, Urine
<input type="checkbox"/>	A124 Alpha-1-Microglobulin, 24 Hour, Urine
<input type="checkbox"/>	RA1U Alpha-1-Microglobulin, Random, Urine
<input type="checkbox"/>	EPU Electrophoresis, Protein, 24 Hour, Urine
<input type="checkbox"/>	SPEP Electrophoresis, Protein, Serum
<input type="checkbox"/>	RFSGS Focal Segmental Glomerulosclerosis (FSGS) and Nephrotic Syndrome Gene Panel, Varies
<input type="checkbox"/>	MALD Protein Isotype, Matrix-Assisted Laser Desorption-Ionization Time-of-Flight Mass Spectrometry, Serum
<input type="checkbox"/>	TMOGA Monoclonal Gammopathy Monitoring, Serum
<input type="checkbox"/>	DMOGA Monoclonal Gammopathy Screen, Serum
<input type="checkbox"/>	MPSU Monoclonal Protein Study, 24 Hour, Urine
<input type="checkbox"/>	RMPSU Monoclonal Protein Study, Random, Urine
<input type="checkbox"/>	OPTU Orthostatic Protein, Timed Collection, Urine
<input type="checkbox"/>	PLA2I Phospholipase A2 Receptor, Immunofluorescence, Serum
<input type="checkbox"/>	PLA2M Phospholipase A2 Receptor, Monitoring, Enzyme-Linked Immunosorbent Assay, Serum
<input type="checkbox"/>	PMND1 Primary Membranous Nephropathy Diagnostic Cascade, Serum
<input type="checkbox"/>	PEISO Protein Electrophoresis and Isotype, Serum
<input type="checkbox"/>	PTU Protein, Total, 24 Hour, Urine
<input type="checkbox"/>	THSD7 Thrombospondin Type-1 Domain-Containing 7A Antibodies, Serum

Hyperoxaluria	
<input type="checkbox"/>	RSCGP Nephrocalcinosis, Nephrolithiasis, and Renal Electrolyte Imbalance Gene Panel, Varies
<input type="checkbox"/>	HYOX Hyperoxaluria Panel, Urine
<input type="checkbox"/>	OXU Oxalate, 24 Hour, Urine
<input type="checkbox"/>	DOXA1 Oxalate Analysis in Hemodialysate
<input type="checkbox"/>	POXA1 Oxalate, Plasma
<input type="checkbox"/>	ROXUR Oxalate, Random, Urine

Monoclonal Gammopathy	
<input type="checkbox"/>	EPU Electrophoresis, Protein, 24 Hour, Urine
<input type="checkbox"/>	SPEP Electrophoresis, Protein, Serum
<input type="checkbox"/>	DMOGA Monoclonal Gammopathy Screen, Serum
<input type="checkbox"/>	TMOGA Monoclonal Gammopathy Monitoring, Serum
<input type="checkbox"/>	MPSU Monoclonal Protein Study, 24 Hour, Urine
<input type="checkbox"/>	RMPSU Monoclonal Protein Study, Random, Urine
<input type="checkbox"/>	PEISO Protein Electrophoresis and Isotype, Serum
<input type="checkbox"/>	MALD Protein Isotype, Matrix-Assisted Laser Desorption-Ionization Time-of-Flight Mass Spectrometry, Serum

Nephrogenic Systemic Fibrosis	
<input type="checkbox"/>	GDU Gadolinium, 24 Hour, Urine
<input type="checkbox"/>	GDUCR Gadolinium/Creatinine Ratio, Random, Urine
<input type="checkbox"/>	GDT Gadolinium, Dermal, Tissue
<input type="checkbox"/>	GDS Gadolinium, Serum

Renal Tubular Dysfunction	
<input type="checkbox"/>	A124 Alpha-1-Microglobulin, 24 Hour, Urine
<input type="checkbox"/>	RA1U Alpha-1-Microglobulin, Random, Urine
<input type="checkbox"/>	B2MU Beta-2 Microglobulin, Random, Urine
<input type="checkbox"/>	B2M Beta-2-Microglobulin, Serum
<input type="checkbox"/>	CITR Citrate Excretion, 24 Hour, Urine
<input type="checkbox"/>	CITRA Citrate Excretion, Random, Urine
<input type="checkbox"/>	RB24 Retinol-Binding Protein, 24 Hour, Urine
<input type="checkbox"/>	RBR Retinol-Binding Protein, Random, Urine
<input type="checkbox"/>	RTRP2 Tubular Reabsorption of Phosphorus, Random Urine and Serum

Nephrolithiasis	
<input type="checkbox"/>	AMMO Ammonium, 24 Hour, Urine
<input type="checkbox"/>	RAMBO Ammonium, Random, Urine
<input type="checkbox"/>	CALU Calcium, 24 Hour, Urine
<input type="checkbox"/>	CACR3 Calcium, Random, Urine
<input type="checkbox"/>	CITR Citrate Excretion, 24 Hour, Urine
<input type="checkbox"/>	CITRA Citrate Excretion, Random, Urine
<input type="checkbox"/>	HYOX Hyperoxaluria Panel, Urine
<input type="checkbox"/>	KIDST Kidney Stone Analysis
<input type="checkbox"/>	MAGU Magnesium, 24 Hour, Urine
<input type="checkbox"/>	MAGRU Magnesium/Creatinine Ratio, Random, Urine
<input type="checkbox"/>	RSCGP Nephrocalcinosis, Nephrolithiasis, and Renal Electrolyte Imbalance Gene Panel, Varies
<input type="checkbox"/>	OXU Oxalate, 24 Hour, Urine
<input type="checkbox"/>	POXA1 Oxalate, Plasma
<input type="checkbox"/>	ROXUR Oxalate, Random, Urine
<input type="checkbox"/>	POU Phosphorus, 24 Hour, Urine
<input type="checkbox"/>	RPOU Phosphorus, Pediatric, Random, Urine
<input type="checkbox"/>	SULFU Sulfate, 24 Hour, Urine
<input type="checkbox"/>	SAT24 Supersaturation Profile, 24 Hour, Urine
<input type="checkbox"/>	SSATR Supersaturation Profile, Pediatric, Random, Urine
<input type="checkbox"/>	URCU Uric Acid, 24 Hour, Urine

