

Renal Diagnostics Test Request

Client Information (required)

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

Submitting Healthcare Professional Information (required)

Submitting/Referring Healthcare Professional <small>(Last, First)</small>

Fill in only if Call Back is required.

Phone <small>(with area code)</small>	Fax* <small>(with area code)</small>
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 <small>(mm-dd-yyyy)</small> : _____ Original disease: _____		
Indications		
<input type="checkbox"/> Hematuria	<input type="checkbox"/> Acute kidney 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 <small>(Medical Record No.)</small>	
Patient Name <small>(Last, First Middle)</small>	
Sex <input type="checkbox"/> Male <input type="checkbox"/> Female	Birth Date <small>(mm-dd-yyyy)</small>
Collection Date <small>(mm-dd-yyyy)</small>	Time <input type="checkbox"/> am <input type="checkbox"/> pm

Ethnicity

<input type="checkbox"/> African American <input type="checkbox"/> Asian <input type="checkbox"/> European <input type="checkbox"/> Latine/Latinx <input type="checkbox"/> Other: _____
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Pathologist Name (required)

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

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

MCL Internal Use Only



Ship specimens to:
 Mayo Clinic Laboratories
 3050 Superior Drive NW
 Rochester, MN 55905

Customer Service: 800-533-1710

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 <input type="checkbox"/> 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	
<input type="checkbox"/> ALPRT	Alport (Collagen IV Alpha 5 and Alpha 2) Immunofluorescent Stain, Renal Biopsy
<input type="checkbox"/> AMPIP	Amyloid Protein Identification, Paraffin, Mass Spectrometry
<input type="checkbox"/> MSCG	Collagenofibrotic Glomerulopathy Confirmation, Mass Spectrometry
<input type="checkbox"/> DNJB9	DNAJB9 Immunostain, Technical Component Only
<input type="checkbox"/> EXT2	Exostosin 2 (EXT2) Immunostain, Technical Component Only
<input type="checkbox"/> MSFGN	Fibrillary Glomerulonephritis Confirmation, Mass Spectrometry, Paraffin Tissue
<input type="checkbox"/> MSFNG	Fibronectin Glomerulopathy Confirmation, Mass Spectrometry
<input type="checkbox"/> SUBIF	Immunoglobulin G (IgG) Subtypes Immunofluorescence, Tissue
<input type="checkbox"/> IGG4I	IgG4 Immunostain, Technical Component Only
<input type="checkbox"/> MSMN*	Membranous Nephropathy Target Antigen Identification, Mass Spectrometry, Tissue
<input type="checkbox"/> NELL1	Neural Epidermal Growth Factor-Like 1 Protein Immunostain, Technical Component Only
<input type="checkbox"/> PLAIF	Phospholipase A2 Receptor (PLA2R), Renal Biopsy
<input type="checkbox"/> SEMA3	Semaphorin 3B (SEMA3B) Immunostain, Technical Component Only
<input type="checkbox"/> 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	
<input type="checkbox"/> AL	Aluminum, Serum
<input type="checkbox"/> UEBF	Urea Nitrogen, Body Fluid
<input type="checkbox"/> GDUCR	Gadolinium/Creatinine Ratio, Random, Urine
<input type="checkbox"/> DOXA1	Oxalate Analysis, Hemodialysate
<input type="checkbox"/> POXA1	Oxalate, Plasma

Transplant Monitoring	
<input type="checkbox"/> 25HDN	25-Hydroxyvitamin D2 and D3, Serum
<input type="checkbox"/> ADMPU	Addiction Medicine Profile with Reflex, 22 Drug Classes, High Resolution Mass Spectrometry and Immunoassay Screen, Random, Urine
<input type="checkbox"/> ALB24	Albumin, 24 Hour, Urine
<input type="checkbox"/> ALBR	Albumin, Random, Urine
<input type="checkbox"/> ALB	Albumin, Serum
<input type="checkbox"/> HCO3	Bicarbonate, Serum
<input type="checkbox"/> PBKQN	BK Virus DNA Detection and Quantification, Plasma
<input type="checkbox"/> UBKQN	BK Virus DNA Detection and Quantification, Random, Urine
<input type="checkbox"/> BUN	Blood Urea Nitrogen (BUN), Serum
<input type="checkbox"/> CAI	Calcium, Ionized, Serum
<input type="checkbox"/> CA	Calcium, Total, Serum
<input type="checkbox"/> CSMEU	Controlled Substance Monitoring Enhanced Profile with Reflex, 21 Drug Classes, High Resolution Mass Spectrometry and Immunoassay Screen, Random, Urine
<input type="checkbox"/> CTU	Creatinine, 24 Hour, Urine
<input type="checkbox"/> CRBF	Creatinine, Body Fluid
<input type="checkbox"/> RCTUR	Creatinine, Random, Urine
<input type="checkbox"/> CRCL	Creatinine Clearance, Serum and 24 Hour Urine
<input type="checkbox"/> CRTS1	Creatinine with Estimated Glomerular Filtration Rate (eGFR), Serum
<input type="checkbox"/> CYSPR	Cyclosporine, Blood
<input type="checkbox"/> CYCPK	Cyclosporine, Peak, Blood
<input type="checkbox"/> CSTCE	Cystatin C with Estimated Glomerular Filtration Rate (eGFR), Serum
<input type="checkbox"/> 3A5Q	Cytochrome P450 3A5 Genotype, Varies
<input type="checkbox"/> CMVQN	Cytomegalovirus (CMV) DNA Detection and Quantification by Real-Time PCR, Plasma
<input type="checkbox"/> ELPSR	Electrolyte Panel, Serum
<input type="checkbox"/> EBVQN	Epstein-Barr Virus DNA Detection and Quantification, Plasma
<input type="checkbox"/> EVROL	Everolimus, Blood
<input type="checkbox"/> PGXQP	Focused Pharmacogenomics Panel, Varies
<input type="checkbox"/> MPA	Mycophenolic Acid, Serum
<input type="checkbox"/> PTH2	Parathyroid Hormone, Serum
<input type="checkbox"/> PETH	Phosphatidylethanol Confirmation, Blood
<input type="checkbox"/> PHOS	Phosphorus (Inorganic), Serum
<input type="checkbox"/> KS	Potassium, Serum
<input type="checkbox"/> RPTU1	Protein/Creatinine Ratio, Random, Urine
<input type="checkbox"/> PTU	Protein, Total, 24 Hour, Urine
<input type="checkbox"/> RFAMA	Renal Function Panel, Serum
<input type="checkbox"/> SIIRO	Sirolimus, Whole Blood
<input type="checkbox"/> TAKRO	Tacrolimus, Blood

Kidney Function / Monitoring	
<input type="checkbox"/> DHVD	1,25-Dihydroxyvitamin D, Serum
<input type="checkbox"/> 25HDN	25-Hydroxyvitamin D2 and D3, Serum
<input type="checkbox"/> ALB24	Albumin, 24 Hour, Urine
<input type="checkbox"/> ALBR	Albumin, Random, Urine
<input type="checkbox"/> ALB	Albumin, Serum
<input type="checkbox"/> A124	Alpha-1-Microglobulin, 24 Hour, Urine
<input type="checkbox"/> RA1U	Alpha-1-Microglobulin, Random, Urine
<input type="checkbox"/> HCO3	Bicarbonate, Serum
<input type="checkbox"/> BUN	Blood Urea Nitrogen (BUN), Serum
<input type="checkbox"/> CLU	Chloride, 24 Hour, Urine
<input type="checkbox"/> RCHLU	Chloride, Random, Urine
<input type="checkbox"/> CL	Chloride, Serum
<input type="checkbox"/> CTU	Creatinine, 24 Hour, Urine
<input type="checkbox"/> CRBF	Creatinine, Body Fluid
<input type="checkbox"/> RCTUR	Creatinine, Random, Urine
<input type="checkbox"/> CRCL	Creatinine Clearance, Serum and 24-Hour Urine
<input type="checkbox"/> CRTS1	Creatinine with Estimated Glomerular Filtration Rate (eGFR), Serum
<input type="checkbox"/> CSTCE	Cystatin C with Estimated Glomerular Filtration Rate (eGFR), Serum
<input type="checkbox"/> EFPO	Electrolyte and Osmolality Panel, Feces
<input type="checkbox"/> EOSU1	Eosinophils, Random, Urine
<input type="checkbox"/> HSRC*	Iohexol, Glomerular Filtration Rate, Plasma and Urine
<input type="checkbox"/> HEXP	Iohexol, Plasma
<input type="checkbox"/> HEXU	Iohexol, Timed Collection, Urine
<input type="checkbox"/> NSRC*	Iothalamate, Glomerular Filtration Rate, Plasma and Urine
<input type="checkbox"/> UOSMU	Osmolality, Random, Urine
<input type="checkbox"/> UOSMS	Osmolality, Serum
<input type="checkbox"/> PHOS	Phosphorus (Inorganic), Serum
<input type="checkbox"/> RPTU1	Protein/Creatinine Ratio, Random, Urine
<input type="checkbox"/> 12PU1	Protein, Total, 12 Hour, Urine
<input type="checkbox"/> PTU	Protein, Total, 24 Hour, Urine
<input type="checkbox"/> TP	Protein, Total, Serum
<input type="checkbox"/> RFAMA	Renal Function Panel, Serum
<input type="checkbox"/> RB24	Retinol-Binding Protein, 24 Hour, Urine
<input type="checkbox"/> RBR	Retinol-Binding Protein, Random, Urine
<input type="checkbox"/> SGUR	Specific Gravity, Random, Urine
<input type="checkbox"/> URAU	Urea, 24 Hour, Urine
<input type="checkbox"/> URCON	Urea, Random, Urine
<input type="checkbox"/> RURC1	Uric Acid/Creatinine Ratio, Random, Urine
<input type="checkbox"/> URIC	Uric Acid, Serum

*Contact Sales Representative for testing approval.

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GENETIC TESTING FOR HEREDITARY RENAL DISORDERS

- ALAGP Alagille Syndrome Gene Panel, Varies
- ALPGP Alport Syndrome Gene Panel, Varies
- APOL1 APOL1 Genotype, Varies
- AHUGP Atypical Hemolytic Uremic Syndrome (aHUS)/Thrombotic Microangiopathy (TMA)/Complement 3 Glomerulopathy (C3G) Gene Panel, Varies
- RBART Bartter Syndrome Gene Panel, Varies
- CASRG CASR Full Gene Sequencing with Deletion/Duplication, Varies
- NEPHP Comprehensive Nephrology Gene Panel, Varies
- CGPH Custom Gene Panel, Hereditary, Next-Generation Sequencing, Varies
- CKDGP Cystic Kidney Disease Gene Panel, Varies
- RFGS Focal Segmental Glomerulosclerosis (FSGS) and Nephrotic Syndrome Gene Panel, Varies
- ADPKP Focused Autosomal Dominant Polycystic Kidney Disease Gene Panel, Varies
- RSCGP Nephrocalcinosis, Nephrolithiasis, and Renal Electrolyte Imbalance Gene Panel, Varies
- TTRZ TTR Gene, Full Gene Analysis, Varies

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

HYPERTENSION TESTING

Basic Hypertension Testing

- ALBR Albumin, Random, Urine
- BMAMA Basic Metabolic Panel, Serum
- CMAMA Comprehensive Metabolic Panel, Serum
- LPSC1 Lipid Panel, Serum
- PALD Aldosterone, Plasma
- PRA Renin Activity, Plasma
- THSCM Thyroid Function Cascade, Serum
- URIC Uric Acid, Serum

Cushings Syndrome

- CORTU Cortisol, Free, 24 Hour, Urine
- CTU Creatinine, 24 Hour, Urine
- SALCT Cortisol, Saliva

Genetic Tests

- NEPHP Comprehensive Nephrology Gene Panel, Varies
- RSCGP Nephrocalcinosis, Nephrolithiasis, and Renal Electrolyte Imbalance Gene Panel, Varies

Hyperaldosteronism

- ALDNA Aldosterone with Sodium, 24 Hour, Urine
- KS Potassium, Serum
- PALD Aldosterone, Plasma
- PRA Renin Activity, Plasma

Hyperthyroidism

- FRT4 T4 (Thyroxine), Free, Serum
- FRT4D T4 (Thyroxine), Free, Dialysis, Serum
- HTG2 Thyroglobulin, Tumor Marker, Serum
- PTH2 Parathyroid Hormone, Serum
- RT3 T3 (Triiodothyronine), Reverse, Serum
- STSH Thyroid-Stimulating Hormone-Sensitive (s-TSH), Serum
- T3 T3 (Triiodothyronine), Total, Serum
- T4 T4 (Thyroxine), Total Only, Serum
- TGMS Thyroglobulin Mass Spectrometry, Serum
- THSCM Thyroid Function Cascade, Serum

Pheochromocytoma

- 3MT 3-Methoxytyramine, 24 Hour, Urine
- CATU Catecholamine Fractionation, Free, 24 Hour, Urine
- CTU Creatinine, 24 Hour, Urine
- METAF Metanephrines, Fractionated, 24 Hour, Urine
- PMET Metanephrines, Fractionated, Free, Plasma

ADDITIONAL RENAL DISEASE TESTING

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
- RAPAN Rheumatoid Arthritis Panel, Serum
- 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
- MPQU Monoclonal Protein Quantitation, 24 Hour, Urine
- QMPSS Monoclonal Protein Study, Quantitative, Serum
- FLCS Immunoglobulin Free Light Chains, Serum
- RFGS Focal Segmental Glomerulosclerosis (FSGS) and Nephrotic Syndrome Gene Panel, Varies
- RMPQU Monoclonal Protein Quantitation, Random, Urine
- RSMPU Monoclonal Protein Screen, Random, Urine
- SMPU Monoclonal Protein Screen, 24 Hour, Urine
- MPU Monoclonal Protein Studies, 24 Hour, Urine
- RMPU Monoclonal Protein Studies, Random, Urine
- OPTU Orthostatic Protein, Timed Collection, Urine
- PLA2I Phospholipase A2 Receptor, Immunofluorescence, Serum
- PLA2M Phospholipase A2 Receptor, Monitoring, Enzyme-Linked Immunosorbent Assay, Serum
- PMND1 Primary Membranous Nephropathy Diagnostic Cascade, Serum
- PTU Protein, Total, 24 Hour, Urine
- THSD7 Thrombospondin Type-1 Domain-Containing 7A Antibodies, Serum

Hyperoxaluria

- RSCGP Nephrocalcinosis, Nephrolithiasis, and Renal Electrolyte Imbalance Gene Panel, Varies
- HYOX Hyperoxaluria Panel, Random, Urine
- OXU Oxalate, 24 Hour, Urine
- DOXA1 Oxalate Analysis, Hemodialysate
- POXA1 Oxalate, Plasma
- ROXUR Oxalate, Random, Urine

