

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>

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: _____		
Indications		
<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.

MCL Internal Use Only

Ship specimens to:

Mayo Clinic Laboratories
3050 Superior Drive NW
Rochester, MN 55901

Customer Service: 800-533-1710

Visit 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	
<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, LC-MS/MS
<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
<input type="checkbox"/> MSFGN	Fibrillary Glomerulonephritis Confirmation, LC-MS/MS, 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"/> NELL1	Neural Epidermal Growth Factor-Like 1 Protein Immunostain
<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	Blood 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"/> ALB24	Albumin, 24 Hour, Urine
<input type="checkbox"/> ALBR	Albumin, Random, Urine
<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"/> QBKU	BK Virus, Molecular Detection, Quantitative, PCR, 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"/> 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 GFR (CKD-EPI), Serum
<input type="checkbox"/> CYSPR	Cyclosporine, Blood
<input type="checkbox"/> CYCPK	Cyclosporine, Peak, Blood
<input type="checkbox"/> CSTCE	Cystatin C with Estimated GFR, Serum
<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"/> MPA	Mycophenolic Acid, Serum
<input type="checkbox"/> PTH	Parathyroid Hormone (PTH) Immunostain, Technical Component Only
<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"/> SIRO	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"/> 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 GFR (CKD-EPI), 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"/> 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"/> TPBF	Protein, Total, Body Fluid
<input type="checkbox"/> TP	Protein, Total, Serum
<input type="checkbox"/> TPSF	Protein, Total, Spinal Fluid
<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

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HEREDITARY RENAL DISORDERS	
<input type="checkbox"/>	AGXTZ AGXT Gene, Full Gene Analysis, Varies
<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"/>	APO1Z Apolipoprotein A-I (APOA1) Gene, Full Gene Analysis, Varies
<input type="checkbox"/>	APO2Z Apolipoprotein A-II (APOA2) Gene, Full Gene Analysis, Varies
<input type="checkbox"/>	AHUGP Atypical Hemolytic Uremic Syndrome (aHUS)/Thrombotic Microangiopathy (TMA)/Complement 3 Glomerulopathy (C3G) Gene Panel, Varies
<input type="checkbox"/>	ARPKZ Autosomal Recessive Polycystic Kidney Disease (ARPKD), Full Gene Analysis, Varies
<input type="checkbox"/>	RBART Bartter Syndrome Gene Panel, Varies
<input type="checkbox"/>	CASRG CASRG Full Gene Sequencing with Deletion/Duplication, Varies
<input type="checkbox"/>	NEPHP Comprehensive Nephrology Gene Panel, 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"/>	ADPKD Focused Autosomal Dominant Polycystic Kidney Disease Gene Panel, Varies
<input type="checkbox"/>	GSNZ Gelsolin (GSN) Gene, Full Gene Analysis, Varies
<input type="checkbox"/>	GRHPZ GRHPR Gene, Full Gene Analysis, Varies
<input type="checkbox"/>	LYZZ Lysozyme (LYZ) Gene, Full Gene Analysis, Varies
<input type="checkbox"/>	RSCGP Nephrocalcinosis, Nephrolithiasis, and Renal Electrolyte Imbalance Gene Panel, Varies
<input type="checkbox"/>	ATTRZ TTR Gene, Full Gene Analysis, Varies

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

ADDITIONAL RENAL DISEASE TESTING	
Amyloidosis	
<input type="checkbox"/>	AMPIP Amyloid Protein Identification, Paraffin, Mass Spectrometry
<input type="checkbox"/>	APO1Z Apolipoprotein A-I (APOA1) Gene, Full Gene Analysis, Varies
<input type="checkbox"/>	APO2Z Apolipoprotein A-II (APOA2) Gene, Full Gene Analysis, Varies
<input type="checkbox"/>	GSNZ Gelsolin (GSN) Gene, Full Gene Analysis, Varies
<input type="checkbox"/>	LYZZ Lysozyme (LYZ) Gene, Full Gene Analysis, Varies
<input type="checkbox"/>	ATTRZ TTR Gene, Full Gene Analysis, Varies

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"/>	AGXTZ AGXT Gene, Full Gene Analysis, Varies
<input type="checkbox"/>	GRHPZ GRHPR Gene, Full Gene Analysis, 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

