

# **Renal Diagnostics Test Request**

Client Information (required)				Patient Information (required)		
Client Name				Patient ID (Medical Record No.)		
Client Account No.				Patient Name (Last, First Middle)		
Client Phone Client Order No.		rder No.	Sex  Male Female	Birth Date (mm-dd-yyyy)		
Street Address				Collection Date (mm-dd-yyyy)	Time ☐ am ☐ pm	
City State ZIP Code			ZIP Code	Ethnicity		
Submitting Hea (required)	lthcare Profess	ional II	nformation	☐ African American ☐ Asian ☐ Other:	☐ European ☐ Latine/Latinx	
Submitting/Referrir	ng Healthcare Profes	sional (Las	st, First)	Pathologist Name (required	d)	
				Submitting/Referring Pathologis	st (Last, First)	
Fill in only if Call Bac	k is required.			_		
Phone (with area code) Fax* (with area code)			ea code)	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.		
*Fax number given must HIPAA regulation.	be from a fax machine th	at complies	s with applicable	MCL Internal Use Only		
Clinical Informa	ation			_		
☐ Native biopsy					· · · · · · · · · · · · · · · · · · ·	
☐ Allograft biopsy:	Transplant date (mm-	dd-yyyy):				
Original disease: _						
Indications						
☐ Hematuria	☐ Acute kidney fa	ailure	☐ Hypertension			
☐ Systemic lupus ☐ Proteinuria ☐ Family history			$\square$ Family history			
☐ Diabetes ☐ Other, specify:						



### 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 Kidney Function / Monitoring Transplant Monitoring** ☐ 25HDN ☐ DHVD **Medical Renal Disease and** 25-Hydroxyvitamin D2 and D3, Serum 1,25-Dihydroxyvitamin D, Serum **Renal Transplant Monitoring** ☐ ADMPU Addiction Medicine Profile with Reflex, ☐ 25HDN 25-Hydroxyvitamin D2 and D3, Serum 22 Drug Classes, High Resolution Mass ☐ RPCWT\* Renal Pathology Consultation, Wet Tissue ☐ ALB24 Albumin, 24 Hour, Urine Spectrometry and Immunoassay Screen, RPCWT includes diagnostic interpretation of a ☐ ALBR Albumin, Random, Urine Random, Urine medical kidney biopsy by integrating light microscopy, ☐ ALB ☐ ALB24 Albumin, Serum Albumin, 24 Hour, Urine immunofluorescence, and electron microscopy findings together with clinical and laboratory data for the patient. ☐ A124 Alpha-1-Microglobulin, 24 Hour, Urine ☐ ALBR Albumin, Random, Urine **Renal Pathology Tests Available** ☐ RA1U Alpha-1-Microglobulin, Random, Urine ☐ ALB Albumin, Serum to Order Individually □ нсоз Bicarbonate, Serum ☐ HCO3 Bicarbonate, Serum □ ALPRT Alport (Collagen IV Alpha 5 and Alpha 2) ☐ BUN Blood Urea Nitrogen (BUN), Serum □ PBKQN BK Virus DNA Detection and Immunofluorescent Stain, Renal Biopsy Quantification, Plasma ☐ CLU Chloride, 24 Hour, Urine ☐ AMPIP Amyloid Protein Identification, Paraffin, ☐ UBKQN BK Virus DNA Detection and ☐ RCHLU Chloride, Random, Urine Mass Spectrometry Ouantification, Random, Urine □ CL ☐ MSCG Collagenofibrotic Glomerulopathy Chloride, Serum ☐ BUN Blood Urea Nitrogen (BUN), Serum Confirmation, Mass Spectrometry ☐ CTU Creatinine, 24 Hour, Urine ☐ CAI Calcium, Ionized, Serum ☐ DNJB9 DNAJB9 Immunostain, Technical ☐ CRBF Creatinine, Body Fluid □СА Component Only Calcium, Total, Serum ☐ RCTUR Creatinine, Random, Urine ☐ EXT2 Exostosin 2 (EXT2) Immunostain, ☐ CSMEU Controlled Substance Monitoring Enhanced ☐ CRCL Creatinine Clearance, Serum and **Technical Component Only** Profile with Reflex, 21 Drug Classes, 24-Hour Urine High Resolution Mass Spectrometry and ☐ MSFGN Fibrillary Glomerulonephritis Confirmation, Immunoassay Screen, Random, Urine ☐ CRTS1 Creatinine with Estimated Glomerular Mass Spectrometry, Paraffin Tissue Filtration Rate (eGFR), Serum □ CTU Creatinine, 24 Hour, Urine ☐ MSFNG Fibronectin Glomerulopathy Confirmation, Cystatin C with Estimated Glomerular ☐ CSTCE ☐ CRBF Mass Spectrometry Creatinine, Body Fluid Filtration Rate (eGFR), Serum ☐ SUBIF Immunoglobulin G (IgG) Subtypes ☐ RCTUR Creatinine, Random, Urine ☐ EFPO Electrolyte and Osmolality Panel, Feces Immunofluorescence, Tissue ☐ CRCL Creatinine Clearance, Serum and ☐ EOSU1 Eosinophils, Random, Urine ☐ IGG4I IgG4 Immunostain, Technical Component 24 Hour Urine ☐ HSRC\* Iohexol, Glomerular Filtration Rate, ☐ CRTS1 Creatinine with Estimated Glomerular Plasma and Urine ☐ MSMN\* Membranous Nephropathy Filtration Rate (eGFR), Serum Target Antigen Identification, ☐ HEXP Johexol Plasma ☐ CYSPR Cyclosporine, Blood Mass Spectrometry, Tissue ☐ HEXU Iohexol, Timed Collection, Urine □ СҮСРК Cyclosporine, Peak, Blood Neural Epidermal Growth Factor-Like ☐ NELL1 □ NSRC\* Iothalamate, Glomerular Filtration Rate, ☐ CSTCE Cystatin C with Estimated Glomerular 1 Protein Immunostain, Technical Plasma and Urine Filtration Rate (eGFR), Serum Component Only □ UOSMU Osmolality, Random, Urine ☐ PLAIF Phospholipase A2 Receptor (PLA2R), □ 3A5Q Cytochrome P450 3A5 Genotype, Varies ☐ UOSMS Osmolality, Serum Renal Biopsy ☐ CMVQN Cytomegalovirus (CMV) DNA Detection and ☐ PHOS Semaphorin 3B (SEMA3B) Immunostain, Quantification by Real-Time PCR, Plasma Phosphorus (Inorganic), Serum ☐ SEMA3 **Technical Component Only** Electrolyte Panel, Serum ☐ RPTU1 ☐ ELPSR Protein/Creatinine Ratio, Random, Urine ☐ THSIF Thrombospondin Type 1 Domain ☐ EBVQN Epstein-Barr Virus DNA Detection and ☐ 12PU1 Protein, Total, 12 Hour, Urine Containing 7A (THSD7A), Quantification, Plasma ☐ PTU Protein, Total, 24 Hour, Urine Immunofluorescence □ EVROL Everolimus Blood □ТР Protein, Total, Serum Note: As required, these tests are performed with RPCWT. ☐ PGXQP Focused Pharmacogenomics Panel, Varies ☐ RFAMA Renal Function Panel, Serum KIDNEY FUNCTION / DIALYSIS / ☐ MPA Mycophenolic Acid, Serum □ RB24 Retinol-Binding Protein, 24 Hour, Urine TRANSPLANT MONITORING ☐ PTH2 Parathyroid Hormone, Serum ☐ RBR Retinol-Binding Protein, Random, Urine **Dialysis Montioring** ☐ PETH Phosphatidylethanol Confirmation, Blood ☐ SGUR Specific Gravity, Random, Urine ☐ AL Aluminum, Serum ☐ PHOS Phosphorus (Inorganic), Serum ☐ URAU Urea, 24 Hour, Urine □ UEBF Urea Nitrogen, Body Fluid □ KS Potassium, Serum ☐ URCON Urea, Random, Urine ☐ GDUCR Gadolinium/Creatinine Ratio, Random, ☐ RPTU1 Protein/Creatinine Ratio, Random, Urine ☐ RURC1 Uric Acid/Creatinine Ratio, Random, Urine ☐ PTU Protein, Total, 24 Hour, Urine ☐ URIC Uric Acid, Serum ☐ DOXA1 Oxalate Analysis, Hemodialysate ☐ RFAMA Renal Function Panel, Serum ☐ POXA1 Oxalate, Plasma ☐ SIIRO Sirolimus, Whole Blood

Tacrolimus, Blood

☐ TAKRO

\*Contact Sales Representative for testing approval.

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## **Patient Information (required)**

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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			
□ RFSGS	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.				

☐ ALDNA Aldosterone with Sodium, 24 Hour, Urine			
□ KS	Potassium, Serum		
□ PALD	Aldosterone, Plasma		
□ PRA	•		
Hyperthyro  ☐ 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		
Pheochrom	ocytoma		
□ 3MT	3-Methoxytyramine, 24 Hour, Urine		
☐ CATU	Catecholamine Fractionation, Free, 24 Hour, Urine		
□ сти	Creatinine, 24 Hour, Urine		
☐ METAF	Metanephrines, Fractionated, 24 Hour, Urine		
☐ PMET	Metanephrines, Fractionated, Free, Plasma		

□ PR3	Proteinase 3 Antibodies, IgG, Serum
□ PTU	Protein, Total, 24 Hour, Urine
□ RAPAN	Rheumatoid Arthritis Panel, Serum
□ RHUT	Rheumatoid Factor, Serum
Glomerular I	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
□ RFSGS	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
Hyperoxalur	ia
□ RSCGP	Nephrocalcinosis, Nephrolithiasis, and Renal Electrolyte Imbalance Gene Panel, Varies
□ нүох	Hyperoxaluria Panel, Random, Urine
□ oxu	Oxalate, 24 Hour, Urine
□ DOXA1	Oxalate Analysis, Hemodialysate
□ POXA1	Oxalate, Plasma

 $\ \square$  ROXUR Oxalate, Random, Urine

### **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 $\hfill \square$ THSCM Thyroid Function Cascade, Serum ☐ URIC Uric Acid, Serum **Cushings Syndrome** ☐ CORTU Cortisol, Free, 24 Hour, Urine $\square$ CTU Creatinine, 24 Hour, Urine ☐ SALCT Cortisol, Saliva **Genetic Tests** ☐ NEPHP Comprehensive Nephrology Gene Panel,

Nephrocalcinosis, Nephrolithiasis, and Renal Electrolyte Imbalance Gene Panel,

☐ RSCGP

	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			
□ сти	Creatinine, 24 Hour, Urine			
☐ METAF	Metanephrines, Fractionated, 24 Hour, Urine			
☐ PMET	Metanephrines, Fractionated, Free, Plasma			
ADDITION	AL RENAL DISEASE TESTING			
Glomerular	Disease – Nephritic			
☐ ALB24	Albumin, 24 Hour, Urine			
☐ A124	Alpha-1-Microglobulin, 24 Hour, Urine			
□ RA1U	Alpha-1-Microglobulin, Random, Urine			
	Antineutrophil Cytoplasmic Antibodies Vasculitis Panel, Serum			
□ VASC				
Note: Include	Vasculitis Panel, Serum			
Note: Include if positive.	Vasculitis Panel, Serum es MPO and PR3 with reflex to ANCA			
Note: Include if positive.	Vasculitis Panel, Serum es MPO and PR3 with reflex to ANCA Antinuclear Antibodies (ANA), Serum			
Note: Include if positive.  ANA2  C3	Vasculitis Panel, Serum es MPO and PR3 with reflex to ANCA Antinuclear Antibodies (ANA), Serum Complement C3, Serum			
Note: Include if positive.  ANA2  C3  C4	Vasculitis Panel, Serum es MPO and PR3 with reflex to ANCA  Antinuclear Antibodies (ANA), Serum  Complement C3, Serum  Complement C4, Serum			
Note: Include if positive.  ANA2  C3  C4  CRY_S	Vasculitis Panel, Serum es MPO and PR3 with reflex to ANCA  Antinuclear Antibodies (ANA), Serum  Complement C3, Serum  Complement C4, Serum  Cryoglobulin, Serum			
Note: Include if positive.  ANA2  C3  C4  CRY_S  ANCA	Vasculitis Panel, Serum es MPO and PR3 with reflex to ANCA  Antinuclear Antibodies (ANA), Serum Complement C3, Serum Complement C4, Serum Cryoglobulin, Serum Cytoplasmic Neutrophil Antibodies, Serum Glomerular Basement Membrane			

Patient I	nformation (required)				
Patient ID (Medical Record No.)				Client Account No.	
Patient Name (Last, First Middle)				Client Order No.	
Birth Date	(mm-dd-yyyy)				
					1
Monoclona	Gammopathy	□ oxu	Oxalate, 24 H	lour, Urine	
☐ MPQU	Monoclonal Protein Quantitation, 24 Hour,	☐ POXA1	Oxalate, Plas	ma	
	Urine	☐ ROXUR	Oxalate, Ran	dom, Urine	
☐ QMPSS	Monoclonal Protein Study, Quantitative, Serum	□ POU	Phosphorus,	24 Hour, Urine	
☐ FLCS	Immunoglobulin Free Light Chains, Serum	☐ RPHOC	Phosphorus, Random, Urine		
☐ RMPQU	Monoclonal Protein Quantitation, Random,	SULFU	Sulfate, 24 Hour, Urine		
	Urine	SUP24		tion Profile, 24 Hour, Urine	
☐ RSMPU	Monoclonal Protein Screen, Random,	☐ SUPRA	·	tion Profile, Random, Urine	
C CMPU	Urine	☐ URCU	Uric Acid, 24		
☐ SMPU	Monoclonal Protein Screen, 24 Hour, Urine		Microangio		
□ MPU	Monoclonal Protein Studies, 24 Hour, Urine	☐ ADAMP	ADAMTS13 A Profile, Plasn	Activity with Reflex Inhibitor na	
☐ RMPU	Monoclonal Protein Studies, Random, Urine	☐ ADAMS	ADAMTS13 A	Activity Assay, Plasma	
Nenhrogeni	ic Systemic Fibrosis	☐ AHUSD		nolytic Uremic Syndrome t Panel, Serum and Plasma	
☐ GDU	Gadolinium, 24 Hour, Urine	☐ AHUGP	•	,	
☐ GDUCR	Gadolinium/Creatinine Ratio, Random,	Anugr		nolytic Uremic Syndrome mbotic Microangiopathy	
_ ODOOK	Urine		(TMA)/Complement 3 Glomerulopathy		
□ GDS	Gadolinium, Serum		(C3G) Gene I		
Renal Tubul	ar Dysfunction	☐ AH50	Alternative C Functional, S	Complement Pathway, Serum	
☐ A124	Alpha-1-Microglobulin, 24 Hour, Urine	□ ECMP	•	Monitoring Panel, Serum	
□ RA1U	Alpha-1-Microglobulin, Random, Urine	□ ECULI	Eculizumab,		
☐ B2MU	Beta-2 Microglobulin, Random, Urine	☐ STFRP	Shiga Toxin,	Molecular Detection, PCR,	
☐ B2M	Beta-2-Microglobulin, Serum		Feces		
☐ CITR	Citrate Excretion, 24 Hour, Urine	Unexplaine	d Osteomala	cia/Hypophosphatemia	
☐ CITRA	Citrate Excretion, Random, Urine	☐ DHVD	1,25-Dihydro	xyvitamin D, Serum	
□ RB24	Retinol-Binding Protein, 24 Hour, Urine	☐ 25HDN	25-Hydroxyv	vitamin D2 and D3, Serum	
□ RBR	Retinol-Binding Protein, Random, Urine	☐ IFG23	Intact Fibrob	olast Growth Factor 23, Serum	
☐ RTRP2	Tubular Reabsorption of Phosphorus, Random Urine and Serum	☐ PTH2		Hormone, Serum	
Nephrolithi	asis	ADDITION/	AL TESTS TEST ID AN	D NAME)	
□ аммо	Ammonium, 24 Hour, Urine	TINDICALE	TEST ID AIN	P TANIL/	
□ камво	Ammonium, Random, Urine				
☐ CALU	Calcium, 24 Hour, Urine				
☐ CACR3	Calcium/Creatinine Ratio, Random, Urine				
☐ CITR	Citrate Excretion, 24 Hour, Urine				
☐ CITRA	Citrate Excretion, Random, Urine				
□ нүох	Hyperoxaluria Panel, Random, Urine				
☐ KIDST	Kidney Stone Analysis				
☐ MAGU	Magnesium, 24 Hour, Urine				
☐ MAGRU	Magnesium/Creatinine Ratio, Random, Urine				
□ RSCGP	Nephrocalcinosis, Nephrolithiasis, and Renal Electrolyte Imbalance Gene Panel, Varies				