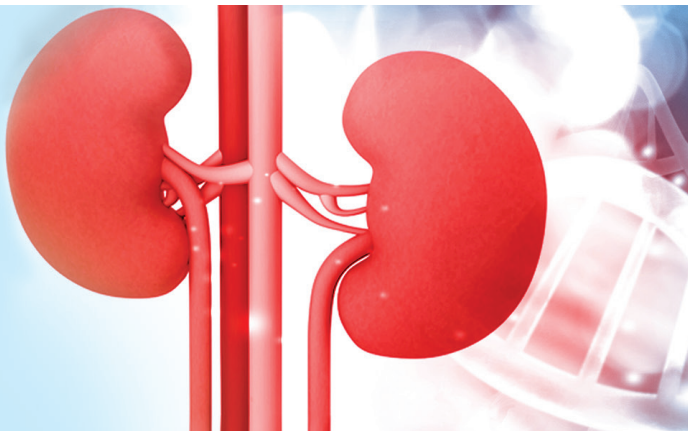
MEDGENOME | ACTIA Inherited Disease Genetics

CAP ACCREDITED COLLEGE of AMERICAN PATHOLOGISTS

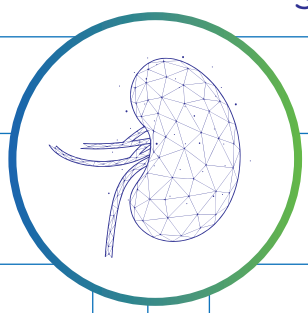
Nephro Genetics

Comprehensive Gene Panels for Inherited Renal Diseases



- Inherited renal diseases (IRD) are among the leading causes of early-onset chronic kidney disease
- IRDs account for ~10–15% of kidney transplant cases in adults
- Genetic testing enables the early detection of disease causal variant which helps in timely treatment & management strategies

Inherited Kidney Diseases



- Inherited Glomerular Diseases
- Steroid Resistant Nephrotic Syndrome
- Renal Tubular and Metabolic Diseases
- Nephrolithiasisnephrocalcinosis
- Renal Cystic, Interstitial and Tumorous Kidney Diseases
- Complement Disorders - Atypical Hemolytic Uremic Syndrome
- CAKUT - (Congenital Anomalies of the Kidney and Urinary Tract)
- Metabolic Diseases with Renal Fanconi Syndrome
- Renal Ciliopathies

20% of cases of CKD are thought to be due to genetic forms of renal disease[3].

Genetic renal disorders affects **5-15%** of the adult population[1].

To date, more than 600 genes have been implicated in monogenic kidney diseases

Who should get Tested

- Diagnosed with cystic kidney diseases, tubulopathies or monogenic glomerulopathies
- With family history
- Syndromic disease, with extra renal manifestations
- Congenital kidney anomalies
- Unknown aetiology with <25–30 years of age of onset
- Hematuria/ proteinuria without a definitive diagnosis
- Interstitial nephropathy or chronic kidney disease without a known cause
- Unusual disease course
- To guide therapeutic decisions
- If an individual belongs to a high risk population

Testing Modalities

Test Details

MGM106	Polycystic Kidney Disease gene panel
MGM104	Bartter syndrome gene panel
MGM103	Alport syndrome gene panel
MGM153	Joubert Syndrome gene panel
MGM308	Hemolytic Uremic Syndrome - HUS (deletion duplication analysis)
MGM368	Nephrotic Syndrome gene panel
MGM107	Primary Hyperoxaluria gene panel
MGM244	Bardet-Biedl Syndrome gene panel
MGM326	Trio Exome Sequencing
MGM2572	ExomeMAX
MGM2741	KaryoTrack

To know more about relevant genetic testing options, please write to us at techsupport@medgenome.com

Genetic Counselling: Free pre & post test genetic counselling with our expert and certified genetic counsellors is available

Why MedGenome

- Unmatched experience of 350,000+ exomes
- South Asia largest database with 5,000,000+ variants
- Recommended by 4000+ hospitals
- Trusted by 10000+ clinicians
- Consistent proficiency testing through "External Quality Monitoring Programs"
- Two levels of analysis and review by clinical geneticists
- Expert genetic counselling available pre and post test

References : Pubmed: 24980890; 35460632, 34264297

Talk to the Experts: 1800 103 3691 techsupport@medgenome.com www.medgenome.com