Dhiti Omics Technologies

Insights into health and disease

Molecular Diagnostics and Genetic Testing

About us

- Dhiti Omics Technologies is a precision molecular diagnostic company. We are an associate of Genotypic Technology, the pioneer of genomic services in India.
- We deliver ethical and actionable diagnostics to patients pinpointing genetic variants underlying a disease.
- We have a 2,300 sqft facility in Bangalore including a functional wet lab.
- Supported by the ISO 9001:2008 certified genomics facility of Genotypic Technology which houses state-of-the-art genomics platforms – RT-PCR, Microarray, Sanger Sequencer and multiple Next Generation Sequencers.
- Our in-house team of bioinformaticians, automated analysis pipelines and subject matter experts create actionable reports following ACMG guidelines.

Success Stories in Clinics

Propionic Acidemia
Inborn error of metabolism
Couple with recurrent infantile deaths
Pathogenic mutation in PCCB gene

Duchenne Muscular Dystrophy
Neuro-muscular disorder
Young boys with hip muscle weakness, calf muscle hypertrophy, not able to run
Pathogenic mutation in DMD gene

Shah Waardenburg Syndrome
Auditory pigmentary Syndrome
Young male with deafness, blue eyes, constipation
Pathogenic mutations in SOX10 gene

Uncomplicated Hereditary Spastic Paraplegia
Genetically diverse neurological disorder
19 year old male with difficulty in walking, bladder disturbance and weakness in lower limbs
Pathogenic mutation in SPAST gene

GlutaricAcidemia Type IIB
Inborn error of metabolism
4 year old child with developmental delay, normal EEG
Novel mutation in ETFB gene

Leigh Syndrome
Rare inherited neuro-metabolic disorder
3 year old girl with motor regression, progressive imbalance, jerky movements during sleep
Pathogenic Mutation in FOXRED1 & SURF1

chr16p11.2 microdeletion
3 year old female with macrocephaly, epilepsy, developmental delay and ataxia.
Likely Pathogenic copy number loss in chr16p11.2

Alport Syndrome
51 year old female with hematuria, proteinuria and hypertension.
Likely Pathogenic mutation in the COL4A5 gene

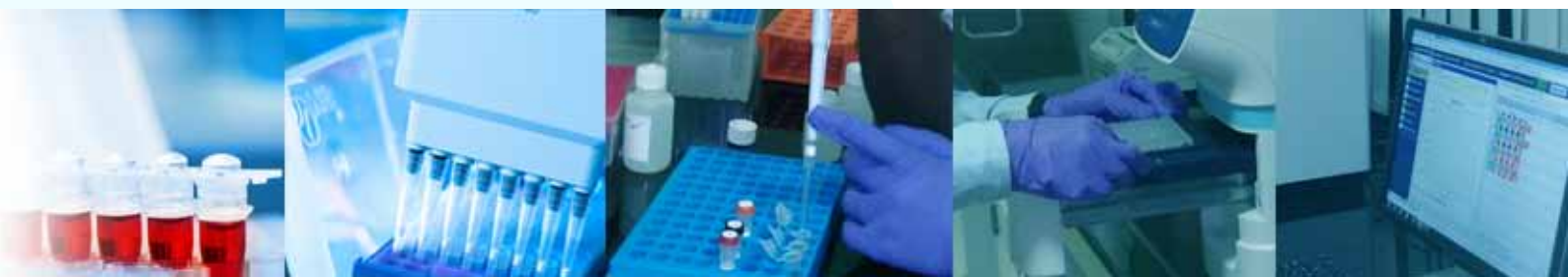
Polycystic Kidney Disease
19 year old female suspected to have ADPKD.
Likely Pathogenic mutation in the PKD1 gene.

Neuronal degeneration with Brain Iron Accumulation
2 year old male with hypotonia and difficulty walking.
Pathogenic mutation in the PLA2G6 gene.

Atypical Rett Syndrome
3.5 year old female with global developmental delay and speech delay.
Pathogenic mutation in the MECP2 gene.

Available Diagnostic Tests

Name of Panel	What do we test?
Inherited Disorder	
Clinical Exome Profiling	Screening for 5000+ genes that are known to harbor disease-causing mutations
Inherited Diseases Panel	Tests for 552 genes which harbor mutations responsible for severe, recessive pediatric-onset inherited diseases
Whole Exome Sequencing	Sequences Coding regions of the entire genome
One Seq Panel	Detects mutations and copy number variations
Copy Number Variations	
CGH Array	Copy number changes including deletions and amplifications
Nephrology	
Inherited Common Nephrological Disorders	Tests for 57 genes associated with inherited renal disorders like Alport Syndrome, PKD, FSGS,aHUS, Hyperoxaluria, Nephrotic Syndrome, Medullary Cystic Disease
Neurology	
Neuromuscular Panel	This panel identifies point mutations as well as deletion and duplications in some common genes in neuromuscular disorders like Duchenne Muscular Dystrophy .
Mitochondrial Gene Sequencing	Sequences all mitochondrial genes
Oncology	
BRCA-1 & BRCA-2 -Mutation Profiling	Mutation profiling of BRCA 1 and BRCA 2 genes.
BRCA-1 & BRCA-2-MLPA Analysis	Del/Dup of BRCA 1 and BRCA 2 genes by MLPA
Tumour Hotspot Profiling	Screens hotspots in 48 well-known oncogenes and tumour suppressor genes to detect disease-causing mutations
Cardiology	
Cardiac Channelopathy Panel	Multiplexed assay for detecting mutations in 33 genes known to cause cardiac channelopathies.
Metabolic Disorders	
Metabolic Disorder Panel	A comprehensive diagnosis of more than 120 Metabolism errors. It screens coding regions of 300+ genes
Carrier Testing	
Carrier testing	Carrier Testing of a mutation in a family member of patient
Pre-Natal Validation	
Prenatal Validation	A sample for which the proband/parental mutation testing has already been done
Single Gene Test	
Beta thalassemia	Tests 5 most common hotspots specific to the Indian population
Single Gene Test	Test for specific genes
Customised Gene Panel	
Customized Gene Panel	Upon request, we can design specific gene panels
Launching Soon	
Autism Array	Detects copy number variation implicated in autism



Why us?

- Team of experienced scientists with expertise in genomics in collaboration with subject matter experts
- Extensive bioinformatics analysis to identify genetic variant underlying the disease
- Currently working with leading clinics and hospitals in multiple cities

We also offer financing options for the tests in collaboration with a leading financial institution.

Write to us for more details.

Shipment

Sample Requirement

All tests (except Tumor Mutation Profiling)

5 ml blood, collected in EDTA tube and stored in refrigerator (2 – 8 °C)

Tumor Mutation Profiling

Frozen tissue sections or Formalin-fixed Paraffin-embedded (FFPE) tissue block

Tumor Mutation Profiling Trusted aid for an oncologist

Samples should have at least 70% tumor cell population

Pre-Natal Samples

Amniotic Fluid (20 ml)

Please send the samples to our Bangalore facility (address given below) in cool pack (2 – 8 °C)

To know more on the diagnostics services offered, write to us at *contact@dhitiomics.com or call 8971278811*

You can also register via www.dhitiomics.com to have a specialist call you.

dhiti omics TECHNOLOGIES

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Agilent Certified Services Provider Microarray-based Genomics Analysis | Agilent Certified Services Provider Target Enrichment System | ion torrent by life technologies certified service provider | nqa ISO 9001 Registered | Runs on SAP Business ByDesign™

KPME (Karnataka Private Medical Establishment), **PCPNDT, KSPCB** (Karnataka State Pollution Control Board)

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