Neuberg DIAGNOSTICS
India • UAE • South Africa • USA

CAP ACCREDITED
COLLEGE of AMERICAN PATHOLOGISTS

Witty Charman CoTS
Consult . Coach . Train . Quality . Service

Witty Charman Medical

Whole Exome Sequencing (WES)

T1195

One Test. Thousands of Genes. Clearer Answers.

Single test to identify the genetic cause of unexplained neurological, developmental, congenital & inherited disorders

~20,000 genes*

Comprehensive Genetic Testing for Inherited Disorders

Whole Exome Sequencing (WES) analyzes the **protein-coding regions of genes** to identify **genetic variants associated with inherited disorders**

How much is Test Coverage?

Protein-coding regions (exons) across **~20,000 genes**

Disease-associated genetic variants

Selected splice-site regions relevant to disease

Few of Genes Analyzed

- **BRCA1/ BRCA2**
  - Hereditary cancer syndromes
- **COL1A1/ COL1A2**
  - Connective tissue disorders
- **POLG**
  - Mitochondrial disorders
- & **thousands more clinically relevant genes**

When Should I Order WES?

- ✅ Developmental delay / Intellectual disability
- ✅ Epilepsy with unknown cause
- ✅ Neuromuscular disorder
- ✅ Multiple congenital anomalies
- ✅ Rare or undiagnosed disease
- ✅ Strong family history
- ✅ Negative targeted gene panel

What can WES Detect?

Pathogenic & likely pathogenic variants

Variants of uncertain significance (VUS)

Inherited genetic disorders

Carrier status for selected genetic conditions

Benefits of WES

Comprehensice analysis in a single test

Supports **diagnosis of rare & inherited disorders**

Helps guide **clinical management**

Supports **genetic counseling & family planning**

Advanced Technology

Next-Generation Sequencing (NGS)

High-quality sequencing coverage

Analysis supported by established clinical databases

Genetic Counseling Recommended

Helps explain **test results**

Clarifies **inheritance patterns**

Assesses implications for **family members**

Supports informed healthcare decisions

Difficult Case, Choose WES

Broad coverage across ~20,000 genes

Advanced NGS techonology

Clinically relevant variant interpretation

Supports **personalized patient care**

Test Details

Test Code	**T1195**
Test Name	**Whole Exome Sequencing**
TAT	18 days
Sample Type	Peripheral blood (EDTA sample)

Neuberg Diagnostics

Neuberg Diagnostics is a leading diagnostic laboratory network headquartered in India, with a presence across India, the UAE, South Africa & the USA. Accredited by CAP & NABL, Neuberg offers advanced diagnostic testing supported by expert pathologists, geneticists & laboratory professionals. The group processes over 30 million tests annually through a network of 250+ laboratories, delivering high-quality & accurate diagnostic reports.

Witty Charman

Witty Charman delivers medical technology, clinical services, wellness and enables Next Generation Genetic Testing services. It's in Tenth year of service to Malaysia . It was founded with a vision to improve healthcare through affordable, innovative & compassionate solutions for Paediatrics to Geriatrics.

Contact info

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