

WES AND WGS COMPARISON CHART

Delivering comprehensive genomic insights to diagnose rare diseases, uncover inherited conditions, and guide personalized treatment decisions

FEATURE	WHOLE EXOME SEQUENCING (WES)	WHOLE GENOME SEQUENCING (WGS)
<i>What it analyzes</i>	Protein-coding genes only (1-2% of DNA)	Entire genome, including coding & non-coding regions
<i>Sample</i>	Blood	Blood
<i>Turn Around Time</i>	5-6 weeks	5-6 weeks
<i>Who should consider it</i>	Family history, undiagnosed genetic conditions	Complex cases needing full genetic analysis, rare diseases, unexplained clinical presentations
<i>Doctor's request needed?</i>	Yes	Yes
<i>Main benefit</i>	Focused on gene mutations causing disease	Comprehensive detection of all generic variants