

# How It Works?



Gather saliva samples.  
Make sure the cap is  
securely fastened



Document the sample  
And reach us to collect  
your samples



Lab Processing &  
Data Analysis



Report Generation



Login in your account or  
check your email



Schedule your Genetic  
Counselling



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Discover.  
Empower.  
Transform.





## Drug Response & Genetics ●●●

About three in five Americans aged 20 years and above take prescription drugs every month [1] and many either encounter adverse drug reactions or reduced treatment efficacy. The strong genetic component of altered drug response in patients is well known and attributed to variants affecting drug pharmacokinetics (PK) and pharmacodynamics (PD).<sup>1</sup>

The information of genetics related to drug response have great potential to guide treatment options by integrating routine genetic screening into clinical development and proposing novel strategies for identifying genetic markers that impact efficacy for new drugs.

1. Schärfe, C.P.I., Tremmel, R., Schwab, M. et al. Genetic variation in human drug-related genes. *Genome Med* 9, 117 (2017). <https://doi.org/10.1186/s13073-017-0502-5>






2. Zhai, S., Zhang, H., Mehrotra, D.V. et al. Pharmacogenomics polygenic risk score for drug response prediction using PRS-PGx methods. *Nat Commun* 13, 5278 (2022). <https://doi.org/10.1038/s41467-022-32407-9>

Pharmacogenomics is a branch of personalized medicine which analyzes an individual's genetic response to drugs for therapeutic benefit.





- MyDNA PharmaGeneCare is pharmacogenomic\* test that examines individual's response to medicines, based on genetic makeup.
- From tolerance to risk of adverse reactions, the test uses highly validated genetic markers to analyse an individual's drug-response profile based on their genetic makeup for 170+ drugs across.

**“  
Initiate your  
Therapy Effectively!!!  
”**

## Why to Take MyDNA PharmaGeneCare ●●●

-  Align treatment based on the genetic drug response profile
-  Reduce the duration of treatment while increasing efficiency
-  Save time and costs from trial-and-error method
-  Reduce chances of adverse reactions
-  Helps in drug dosage optimization

## Who can Take this Test?

-  One who is not getting desired outcome or experiencing side effects from their medicines
-  Initiated a new medication regimen
-  One who is on multiple medicines
-  One who want to get personalized treatment in future