

## Benefits of Dtect Ancestry

Discovering your ancestry is more than curiosity, it's about connection and belonging. Dtect Ancestry allows you to:

- Learn about the regions, cultures, and histories tied to your DNA.
- Reconnect with heritage that may have been forgotten or overlooked.
- Deepen your understanding of your identity and roots.
- Pass on a richer, more complete family story to future generations.

Your past does not define you, but it shapes you. With Dtect Ancestry, you take the first step towards understanding the story written in your DNA.



## Limitations

The Dtect Ancestry analysis uses selected single nucleotide polymorphisms (SNPs) to provide probabilistic estimates of population-level ancestry. Results should not be interpreted as definitive assignments of ethnicity, identity, or nationality, and may vary over time or across providers due to differences in reference datasets and methods. Accuracy may be reduced in admixed individuals or in populations underrepresented in reference data. As the test is microarray-based rather than whole-genome sequencing, the report is intended for informational use only and is not clinical or diagnostic.

## Other Products

**Dtect Cardio & Metabolic:** Evaluates markers associated with cardiovascular and metabolic diseases.

**Dtect Carrier:** Screens your carrier status for rare genetic disorders.

**Dtect Child:** Detects inherited genetic illnesses/developmental disorders in children.

**Dtect Derma:** Screens for traits or conditions that affect the skin.

**Dtect Neuro:** Screens for risk of various types of neurological conditions.

**Dtect Onco:** Screens for risk of familial cancers.

**Dtect PGx:** Screens for risk of adverse drug reactions and drug responses.

**Dtect Wellness:** Screens for traits or conditions that affect health and wellness.

**Dtect BCRA+:** Screens for risk of breast and ovarian cancers.

**Dtect Colon+:** Screens for risk of colorectal cancer, using ACMG guidelines.

**Dtect NPC+:** Screens for risk of nasopharyngeal and head and neck cancers.

**Dtect Prostate+:** Screens for risk of prostate cancer, using ACMG guidelines.

- Please visit [www.dtect.com](http://www.dtect.com) for new product updates -

Available at:



Malaysian Genomics Resource Centre Berhad (652790-V)  
[www.mgrc.com.my](http://www.mgrc.com.my)



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DNA



## Genetic Screening for Ancestry

Your First Step Towards  
Understanding Your  
Genetic Heritage

PATIENT'S GUIDE



## Discover Your Story with Dtect Ancestry

Our roots shape who we are. They influence our traditions, our identity, and even the paths we take in life. Dtect Ancestry gives you the opportunity to uncover your family's origins, tracing connections that may have been lost over generations.

For those who wonder about their heritage or long to reconnect with their cultural identity, Dtect Ancestry can help fill in the missing chapters. By understanding where you come from, you gain a deeper appreciation of the journeys that led to you and the legacy you carry forward.

Ask your doctor for Dtect Ancestry today.



## Understand the Science Behind Ancestry Analysis

Every person carries 23 pairs of chromosomes: 22 pairs of autosomes and one pair of sex chromosomes (XX for females, XY for males). When it comes to ancestry testing, scientists focus on the autosomes, because they contain a shuffled mix of DNA from both parents. This makes them the best window into your overall family background.

Interestingly, more than 99.9% of human DNA is identical across all people. It's the tiny fraction that differs—about 0.1%—that holds the clues to our ancestral past. Within that fraction are genetic markers called single nucleotide polymorphisms (SNPs). These SNPs often appear at different frequencies in different parts of the world. For example, a marker might be very common in East Asia but rare in Europe, making it a useful signal of population history.

It's important to remember that DNA inheritance is random. Two siblings can share the same parents yet receive slightly different DNA combinations—so their ancestry results might not look exactly alike. And because ancestry analysis relies on reference populations, your results may evolve as scientific databases expand and become more precise over time.

Ancestry testing doesn't define your culture or identity, but it does reveal the genetic connections that link you to regions and communities across the globe. Think of it as a starting point to explore your story, grounded in science but enriched by history, traditions, and family memories.

## Process for Using Dtect Ancestry

- 1 Ask your doctor for Dtect Ancestry today.
- 2 Your doctor will collect a buccal swab, saliva or blood sample, and send it to our laboratory.
- 3 We will extract DNA from the sample and screen for genetic markers.
- 4 Your results will be sent to your doctor. Upon request, we can also share a copy with you.
- 5 Your doctor will review the results with you and help you understand your genetic ancestry

## Discover Your Story with Dtect Ancestry.



### DID YOU KNOW?

Genetic studies show that all humans are related within the last 100,000 years—meaning if you go back far enough, we all share common ancestors.

### References

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