

Genetic Genealogy – *year's ago, the double helix of DNA was an impenetrable scientific mystery, now its dynamic genealogical tool.*

More Genealogists than ever before are turning to DNA testing to explore their family history. In addition to traditional Y-DNA and mitDNA tests, which examine your paternal and maternal lines, testing companies now offer autosomal DNA testing which lets you explore the rest of your family tree, and third-party sites let you do even more once you have your DNA results.

Y-DNA – genetic material fathers pass to their sons (a woman can have her paternal grandfather, father, brother, father's brother or the brother's son take the test). Y-DNA tests also can determine your haplogroup.

mitochondrial DNA (mitDNA) – genetic material mothers pass on to their children (both men and women can take this test), and results can assign a haplogroup.

haplogroup – an identification of the genetic group your ancient ancestors (10,000 to 60,000 years ago) belonged to.

haplotype – collectively, the marker values on your Y-DNA test results.

HVR (hypervariable region) – sections of mitDNA (such as HV₁ and HV₂) used to determine your haplogroup.

autosomal DNA – can confirm if you're related to a living person, including what relationship (if any) exists, sometimes used by 'one-name' groups. Both individuals, men and women, must provide a DNA sample.

Step1. Check out the testing labs, available offers and especially customer's comments at:
www.dnatestingchoice.com

Top Testing Labs (January 2018):

1. **www.myheritage.com**
2. **www.23andme.com**
3. **www.ancestry.co.uk**
4. **www.familytreedna.com**
5. **www.livingdna.com**

www.mitosearch.org recommended free database of mtDNA test results which is hosted by Family Tree DNA, but also contains results from other testing companies to research further into your **haplogroup** type

www.selectsurnamelist.com also, search **www.UKBMD.org.uk** click on 'ONS' for lists of 'one-name studies' groups

Still need more help on Genetic Genealogy, check out the information on:

www.dna-explained.com/2012/10/01/4-kinds-of-dna-for-genetic-genealogy/

www.dna-explained.com/2013/01/24/what-is-a-haplogroup