



# Paternity and Relatedness Testing

[Legal vs. Curiosity DNA Tests](#)

[The Maxxam Advantage](#)

[Other DNA Services](#)

## Our Value Proposal

Maxxam operates the leading private DNA testing laboratory in Canada. Our goal is to make expert DNA testing available quickly and efficiently to those that need it. We provide information that our clients seek when they are making decisions about issues that are often complicated and very personal.

DNA testing is an accurate and powerful technology for determining genetic relationships. Maxxam offers a variety of DNA tests including:

- Father (paternity)
- Mother (maternity)
- Brother/Sister
- Identical/Fraternal Twins
- Aunt/Uncle & Niece/Nephew
- Grandparents
- Male lineage

## Legal vs. Curiosity DNA Tests

DNA samples are collected by rubbing a soft swab along the inside of the cheek – a process that is gentle enough for newborns. Each test can be conducted for curiosity or following legal protocols (when it is likely that the results will be used in Family Court or other legal or official proceedings).

For both Legal and Curiosity tests, samples are sent to our laboratory for analysis. Confidential results are sent to the client(s) and/or their representatives by email, mail or fax in 3 to 5 business days (for standard tests). We can analyse non-standard samples (e.g. personal use items) if a cheek swab is not available.

**Legal DNA Tests:** To ensure results are legally defensible, our Legal DNA testing procedures include:

- Third-party verification of each person's identity prior to qualified, experienced sample collection by that party
- Monitoring the custody of the samples from collection through analysis
- When a decision is made to proceed with a Legal test, contact information is collected for each person being tested so sample collection appointments can be scheduled (often within 24 hours).

# Paternity and Relatedness Testing



**Curiosity DNA Tests:** A DNA sample collection kit for each person being tested will be mailed to the location specified by the client. The results will be analysed using the same people and instruments as in a Legal test. However, the identities of the people being tested are not third-party verified and the samples are not tracked prior to arriving at Maxxam. Therefore, the results of a Curiosity test are intended for personal use only.

## The Maxxam Advantage

Maxxam operates the largest and most experienced private DNA laboratory in Canada. Our DNA service was founded in 1998 by Canada's leading DNA scientific experts. Dr. Wayne Murray, Maxxam's Director of Forensic and DNA services and former head of the DNA Unit at the Centre of Forensic Sciences in Toronto, is one of Canada's most experienced DNA experts. He has testified more than 70 times as an expert witness in forensic cases involving DNA evidence and is co-author of "The DNA Handbook" (ISBN 9780433456360).

Maxxam offers reliable, fast and confidential results. Our service is:

- Cost-effective - we offer all-inclusive, competitive pricing
- Accurate - we report probability of paternity of 0% for exclusions or greater than 99.95% for inclusions
- Convenient - Curiosity kits will be mailed to you; for Legal tests, choose from over 450 authorized sample collection locations across Canada; mobile collection is also offered in select areas in Canada.
- Customer Focused – we are committed to providing the highest level of customer service to our clients.

We were the first private DNA laboratory in Canada to obtain Standards Council of Canada (SCC) accreditation. Maxxam is the only DNA laboratory entrusted with all tendered Provincial and Federal Government contracts for DNA testing in Canada and has enhanced security clearances for our staff, facility and IT systems.

## Other DNA Services

In addition to DNA testing to answer questions of paternity and relatedness, Maxxam also offers support for:

**Immigration to Canada:** Maxxam is approved by Citizenship and Immigration Canada (CIC) to provide DNA testing to all family members as part of the application process for immigration to Canada. We have strong relationships with all international Embassies and Consulates.

**Criminal investigations:** As the leader in private forensic testing services within Canada, and with a reputation for tackling time-sensitive cases, Maxxam offers complete forensic biology and DNA testing services and court testimony for criminal investigations.

**Estate planning/settlement:** Rightful heirs can be determined using STR technologies (PCR-STR and Y-STR - male lineage only). We offer both direct testing of known samples (pathological, banked DNA, known personal articles) and indirect testing via known biological relatives (family reconstruction).

**Civil investigations:** DNA testing can be requested by private investigators, quality assurance managers, insurance professionals and private individuals in scenarios such as accident reconstruction, product tampering, food contamination, threatening mail and spousal infidelity.

Maxxam is the Canadian market leader in analytical services and solutions to the energy, environmental, food and DNA industries and a member of the Bureau Veritas Group of companies – a world leader in testing, inspection and certification services. We support critical decisions made by our customers through the application of rigorous science and the knowledge and expertise of our over 2500 employees.

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