

**Infidelity / Human Identity Match (HID)**

An infidelity test is a non‐court admissible DNA test that compares two samples to determine if there is unknown DNA found on an article or item. For example, an individual concerned their spouse or partner is cheating may test a stain on, most commonly, an undergarment against their own DNA to see if the two match. If the profiles do not match, it is an indication that infidelity may have taken place.

Generally, infidelity cases involve a **reference** and an **evidence** sample. The reference sample is a buccal swab collected from the suspecting partner (often the individual requesting the test) and should always consist of a single profile. The evidence sample is normally a non‐standard sample, such as an undergarment but can also include a toothbrush, bedsheet, hair (with follicle), condom, etc.

The process for testing these samples is as follows:

**The Laboratory will test an evidence sample and reference sample to obtain DNA profiles from each.**

**SINGLE PROFILE OBTAINED**:

If the laboratory obtains a single profile from the evidence sample a report is issued stating a single profile was found on the evidence. This typically indicates there was no evidence of infidelity. Profiles from the evidence and reference swabs will be published and made available to the client.

**MIXED PROFILE OBTAINED, NEGATIVE RESULTS**:

If the laboratory obtains a mixed profile from the evidence sample, the profile will be compared to the reference sample to confirm a match. If one of the profiles from the evidence matches the profile from the reference sample, this would indicate that infidelity has **NOT** taken place.

**MIXED PROFILE OBTAINED, POSITIVE RESULTS:**

If neither of the profiles from the evidence sample matches the profile from the reference sample, this would indicate that infidelity **HAS** taken place.

**Results**

Results are available in 1‐2 business days after the samples and paperwork are received. Samples are stored for 60 days (then destroyed) or returned to client upon request (for a fee).

**Related and Similar Testing**

**Semen/Sperm Analysis** can be performed at an additional fee, to determine if a stain is in fact Semen/Sperm. Some clients may prefer to perform a semen screen only. In some cases, use of a semen screen alone may provide misleading results. Semen can remain present in the vagina for up to 5 days after intercourse. If semen is detected, it could be from a previous encounter with their significant other. It is highly recommended that a DNA infidelity test accompany a semen screen to enhance proof of infidelity.

**Human Identity Match (HID)** is very similar to an infidelity tests in which it compares a reference swab against any other type of sample. This is most often used in cases such as automobile accidents to confirm blood found on an airbag matches a specific individual, DUI cases that suspect a sample switch, or to match DNA samples from destruction of property by a disgruntled employee.