

Frequently Asked Parentage Questions

When Ordering Parentage:

Q.1: How do I know which parentage test to order? What is the difference between SNP and MiP?

A. SNP stands for Single Nucleotide Polymorphism and MiP stands for Microsatellite. The difference of the two is SNP compares up to 200 + markers where MiP compares up to 21. Therefore, SNPs are more abundant, stable, and lower cost per genotype. Because SNP & MiP tests are run on different technologies, they are incompatible to compare for parentage. MiP profiles can be compared to MiP profiles, whilst SNP profiles can only be compared to other SNP profiles. SNPs are better suited for modern genotyping technologies, which make them the marker of choice for parentage testing.

MiP Tests	SNP Tests
<ul style="list-style-type: none">• MiP	<ul style="list-style-type: none">• SeekSire• GGP (genomic profile)• AngusGS• TropBeef

Parentage Report:

Q.1: Why did my sample fail?

A. There are multiple reasons why a sample might fail. The following are 5 main reasons:

1. **Biological Contamination** such as cross contamination between samples/animals or foreign matter in the sample.
2. **Chemical Contamination** such as dye from animal markers, insect repellent, or cleaning agents.
3. **Improper Storage** such as exposure to heat, foreign matter, improper frozen storage.
4. **Insufficient sampling** such as too few or too small hair follicles.
5. **Improper shipping** and storage prior to shipping.