

GeNei™ Genotyping Analysis Teaching Kit

Description: A progeny always inherits equal contribution of genetic material from both parents. The kit mimics a real life situation when a child is claimed by more than one parent. PCR primers specific to different loci containing Short Tandem Repeats (STRs) amplify different sized fragments based on the number of copies of repeats present. A child's DNA sample thus would contain all the right sized PCR fragments that are present in either of the parent.

The kit demonstrates PCR-based amplification of multiple fragments from samples provided. The PCR products are run on agarose gel and genotypes analysed. The kit, however, does not contain human genomic DNA or primers specific to human genome. The kit contains reagents enough for 5 experiments.

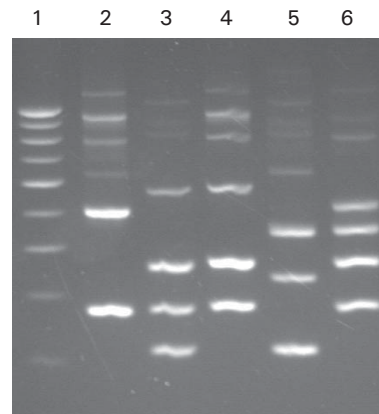
Ordering Information:

Product	Size	Cat #
GeNei™ Genotyping Analysis Teaching Kit (Consumables for 5 experiments)	1 Pack	106271

Materials Provided:

- Sample DNA (5 nos.)
- Primer Set
- Taq DNA Polymerase
- 10X Assay Buffer
- dNTP Mix
- 100 bp DNA Ladder (Ready to use)
- Gel Loading Buffer
- Nuclease Free Water
- Agarose
- 50X TAE
- PCR vials
- Instruction Manual

Note: UV transilluminator, thermal cycler and EtBr are required.



Lane 1: 100 bp DNA Ladder
 Lane 2: Mother 1
 Lane 3: Father 1
 Lane 4: Child
 Lane 5: Mother 2
 Lane 6: Father 2