

**GeNei™ *Alu* - PCR Teaching Kit**

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**GeNei™ Single Nucleotide Polymorphism (SNP) Demonstration Teaching Kit.**

**Description:**

Genetic disorders and other related diseases are often associated with Single Nucleotide Polymorphism (SNP) occurring at precise positions on genes/genomes. Development of SNP-specific primers that amplify a specific fragment in PCR when a specific SNP is present helps in disease detection.

The kit provides an example on SNP detection where two DNA templates, one wild-type and the other template with SNP are used for PCR amplification individually along with 2 pairs (4 numbers) of primers, one pair specific to wild-type and the other, specific to SNP-type primer. The kit provides enough reagents for conducting 5 experiments.

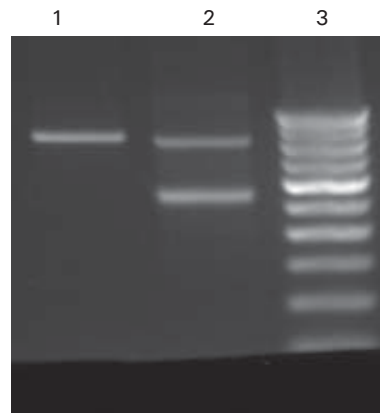
**Ordering Information:**

| Product                                                                                                       | Size   | Cat #  |
|---------------------------------------------------------------------------------------------------------------|--------|--------|
| <b>GeNei™</b> Single Nucleotide Polymorphism (SNP) Demonstration Teaching Kit (Consumables for 5 experiments) | 1 Pack | 106369 |

**Materials Provided:**

- Normal DNA
- Template DNA with SNP
- 10X Assay Buffer
- Primer Mix
- dNTP Mix
- Taq DNA Polymerase
- 50X TAE
- Agarose
- Gel Loading Buffer
- 100 bp DNA Ladder (Ready to use)
- Nuclease Free Water
- Mineral Oil
- PCR vials
- Instruction Manual.

**Note:** UV transilluminator and thermal cycler are required.



**Lane 1:** Control DNA  
**Lane 2:** SNP DNA  
**Lane 3:** 100 bp DNA Ladder

E D U C A T I O N A L P R O D U C T S