

**GeNei™ RAPD Application Teaching Kit
(Rice Varieties Identification)**

Description: An organism's DNA contains the blueprint of its characteristics. In case of plants, this would include features like yield, drought resistance starch content and so on.

Random Amplified Polymorphic DNA (RAPD) is a general technique employed for obtaining the molecular fingerprint of a strain or species. It is a convenient and sensitive method with increasing application in such fields as epidemiology, molecular genetics, microbial ecology, molecular evolution, and taxonomy.

This kit demonstrates the sensitivity of RAPD technique which differentiates one rice variety from the other varieties. The principles and methodologies of RAPD are described in detail. The kit contains enough reagents for conducting 5/20 experiments.

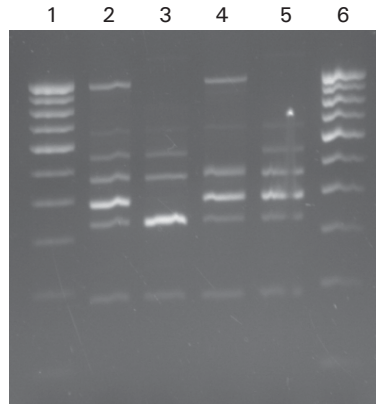
Ordering Information:

Product	Size	Cat #
GeNei™ RAPD Application Teaching Kit (Rice Varieties Identification) (Consumables for 5 experiments)	1 Pack	106254
GeNei™ RAPD Application Teaching Kit (Rice Varieties Identification) (Consumables for 20 experiments)	1 Pack	106255

Materials Provided:

- 4 Samples of Rice Genomic DNA
- 100 bp DNA Ladder (Ready to use)
- Taq DNA Polymerase
- 10X Assay Buffer
- Random Primer
- dNTP Mix
- Mineral Oil
- Agarose
- 50X TAE
- Gel Loading Buffer
- PCR vials
- Instruction Manual

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



Lane 1: 100 bp DNA Ladder
Lane 2: Rice Varieties 1
Lane 3: Rice Varieties 2
Lane 4: Rice Varieties 3
Lane 5: Rice Varieties 4
Lane 6: 100 bp DNA Ladder

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