

## GeNei™ Plasmid DNA Purification teaching kit (Using DNA Binding Membrane)

**Description:** The kit teaches the method of plasmid DNA purification using membrane based spin columns. By this method, high purity plasmid DNA is obtained without the additional steps of precipitation/ concentration or desalting.

The kit provides materials sufficient for 10 experiments

**Ordering Information:**

Product	Size	Cat #
GeNei™ Plasmid DNA Purification Teaching Kit (Using DNA Binding Membrane) (Consumables for 10 experiments)	1 Pack	107686

**Materials Provided:**

- Solution G1,G2,G3
- Wash buffer I
- Wash buffer II
- Elution buffer
- Spin column
- RNase A
- 2 ml collection tubes
- Lyophilized strain
- Ampicillin
- 1.5 ml vials
- Agarose
- 50X TAE
- Control DNA
- Instruction manual

**Note:** UV transilluminator and EtBr are required.

## GeNei™ Plasmid DNA Purification Teaching Kit (By Ion exchange Chromatography)

**Description:** The kit teaches the method of plasmid purification based on ion exchange chromatography by gravity flow. The column resin is based on the interaction between negatively charged phosphate of DNA backbone and positively charged DEAE groups on the surface of resin. The salt concentration and pH condition of the buffers determine whether DNA binds or elutes from the column. It's a simple and convenient method of purification.

The kit provides materials sufficient for 10 experiments

**Ordering Information:**

Product	Size	Cat #
GeNei™ Plasmid DNA Purification Teaching Kit (by Ion exchange Chromatography) (Consumables for 10 experiments)	1 Pack	107688

**Materials Provided:**

- Solution I, II, III
- Equilibration buffer
- Wash buffer
- Elution buffer
- Ion exchange columns
- RNase A
- Ampicillin
- Agarose
- 50X TAE
- Control DNA (Ready to use)
- Lyophilized vial
- LB broth
- Agar
- Instruction manual

**Note:** UV transilluminator and EtBr are required.

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