

Blotting Technique

GeNei™ Southern Hybridization Teaching Kit

Description: GeNei™ Southern Hybridization is a technique involving transfer of DNA fragments separated on electrophoretic gels to nylon membrane. This is a widely used technique for detection of specific base sequences using complementary probes. This method is used to identify and quantitate specific DNA sequences.

The kit demonstrates the technique of Southern blotting and hybridization. The steps involved are:

- Electrophoretic separation of DNA molecules on agarose gel
- Electrophoretic transfer of DNA from gel to Nylon membrane
- Immobilization of DNA on to nylon membrane
- Hybridization and non-isotopic detection of DNA of interest.

The kit provides enough materials for 5 experiments.

Ordering Information:

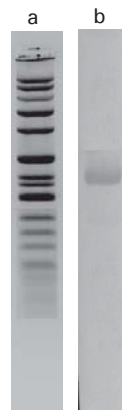
Product	Size	Cat #
GeNei™ Southern Hybridization Teaching Kit (Consumables for 5 experiments & Elpho Kit (Cat # 107089))	1 Pack	106361
GeNei™ Southern Hybridization Teaching Kit (Consumables for 5 experiments)	1 Pack	106362

Materials Provided:

- DNA marker
- Biotinylated Probe
- Hybridization Buffer
- Wash Buffers (4 nos.)
- Blocking Buffer
- Blocking Powder
- Streptavidin HRP Conjugate and Substrate
- Nylon Membrane
- Electro-transfer buffer
- Agarose
- Filter Paper
- Instruction Manual

Cat # 107089: Nucleic acid Submarine Electrophoresis System (Elpho Kit)

(Electrophoretic tank, small electroblotting system, power supply (50/100V), instruction manual).



- a. DNA Marker run on 1.2% Agarose Gel
- b. DNA Transferred on to nylon membrane and hybridized using biotinylated probe

Note: UV transilluminator and EtBr are required.

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