

GeNei™ Northern Blotting Teaching Kit

Description:

Northern blotting (named by analogy to Southern blotting) is used to characterize one or more specific mRNA transcripts in a sample of total RNA. Northern Blotting involves the electrophoresis of RNA, followed by transfer to a filter membrane, immobilization, and hybridization with a probe (target-specific DNA or RNA) of the membrane to which the RNA is bound. Northern blots may be used to quantitate a target, determine mRNA transcript size, detect alternative splice variants of a gene and identify closely related species.

The kit demonstrates the technique of Northern Blotting involving the various steps as described above.

The Kit provides enough materials for 5 experiments.

Ordering Information:

Product	Size	Cat #
GeNei™ Northern Blotting Teaching kit 5 experiments (Consumables & Elpho Kit (Cat # 116681))	1 Pack	108007
GeNei™ Northern Blotting Teaching kit 5 experiments (Consumables)	1 Pack	108008

Note: Usage of this kit would require extreme care on part of the students to prevent RNase contamination of the reagents & RNA supplied.

Materials Provided:

- Total RNA
- Biotinylated Probe
- Hybridisation Buffer
- Wash Buffers
- Blocking Buffer
- Streptavidin HRP Conjugate & Substrate
- Nylon membrane
- Transfer Buffer
- Agarose
- Electrophoresis Buffer
- Instruction manual

Cat # 116681: Elpho Kit for Submarine Electrophoresis & Capillary Transfer; includes power supply, 50/100V.

Note: UV transilluminator and EtBr are required.