

GeNei™ Extraction of Total RNA and RT-PCR Teaching Kit

Description:

RT-PCR is a powerful tool in the analyzing gene expression. It is a highly sensitive and reliable technique. RT-PCR can be carried out using either mRNA or total RNA. Since prokaryotes lack a poly-A tail in their mRNAs, random hexamer or a gene specific primer is employed for the first strand synthesis.

The kit gives hands on experience to extract RNA from bacteria and demonstrates through RT-PCR the presence or absence of a gene.

The kit provides materials sufficient for 10 experiments.

Ordering Information:

| Product | Size | Cat # |
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| GeNei™ Extraction of Total RNA and RT PCR Teaching Kit (Consumables for 10 experiments & Elpho Kit (Cat # 107070)) | 1 Pack | 107718 |
| GeNei™ Extraction of Total RNA and RT PCR Teaching Kit (Consumables for 10 experiments) | 1 Pack | 107719 |

Materials Provided:

- Bacterial Strain
- Resuspension Buffer
- Extraction Buffer
- Alcohol
- RT Mix
- RNasin
- M-MuLV Reverse Transcriptase
- Primers
- 100 bp DNA Ladder (Ready to use)
- LB Broth
- Agar
- Nuclease Free Water
- PCR Mix
- Taq DNA Polymerase
- Agarose
- Gel Loading Buffer
- 50X TAE
- PCR vials
- Instruction Manual

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