

GeNei™ *In-Vitro* Transcription Teaching Kit

Description:

Transcription is the process of synthesizing RNA using DNA as the template. The reaction requires DNA template, rNTPS, DNA dependent RNA Polymerase, and buffer containing magnesium ions.

The kit demonstrates *in-vitro* transcription reaction in the presence of specific T7 promoter and no transcription in its absence, highlighting the need for specific promoter by T7 RNA polymerase. Another interesting feature of the kit is differential staining of DNA and RNA.

The kit provides materials sufficient for 10 experiments.

Ordering Information:

Product	Size	Cat #
GeNei™ <i>In-vitro</i> Transcription Teaching Kit (Consumables for 10 experiments)	1 Pack	107949

Materials Provided:

- Linearized DNA template
- rNTP mix
- T7 RNA polymerase
- RNasin
- DTT
- Assay Buffer for T7 RNA Polymerase
- Agarose
- 50X TAE
- Staining solution
- Gel Loading Buffer
- Rinse Buffer
- Instruction manual

Note: UV transilluminator is required.