

**GeNei™ INSTANT Cloning Kit for Amplified Products**

**Description:** PCR products amplified with Taq DNA Polymerase carry an additional single 3'-A (in most cases) that poses problem in cloning directly into vector. T - vector with single 3'-T extension at the site of insertion is a simple solution. Since, the ligation involves single base overhang joining, which is more difficult than blunt end joining, Bangalore Genei now provides **GeNei™** INSTANT Cloning Kit 1 containing INSTANT T4 DNA ligase and 2X INSTANT ligation buffer to enhance the process significantly: one hour ligation at room temperature (25°C) is sufficient.

The kit is supplied with all the reagents sufficient to perform 10 reactions.

**Highlights:**

- One hour ligation at room temperature (25°C).
- Amplified product can be ligated directly or after purification to the vector.
- No enzymatic manipulation of product required.
- Blue-white selection marker makes screening easier.
- Insert can be released using *Nco* I enzyme
- Sequencing of insert can be done using SP6 and T7 promoter primers.
- 30-60% clones expected depending on the insert size.

**Ordering Information:**

Product	Size	Cat #
<b>GeNei™</b> INSTANT Cloning Kit (for Amplified products without Competent Cells) (10 Reactions)	1 Pack	107416

**Storage:** -20°C

**Materials provided:**

1. Linearised T-vector
2. **INSTANT** T4 DNA Ligase
3. 2X **INSTANT** Ligation Buffer
4. Nuclease free water
5. Control insert
6. Instruction Manual

The diagram of the T vector is shown below:

