

## GeNei™ Long PCR 20kb Ampli Kit

**Description:** GeNei™ Long PCR 20 kb Ampli kit is ideal for amplifications of longer target DNA fragments, upto 20kb, from genomic DNA templates using sequence specific primers. The kit provides all essential reagents to perform 50 individual reactions. Control DNA and sequence specific primers are included to perform 10 control experiments.

- XT-20 PCR system is a unique enzyme mix that combines the powerful 5'-3' polymerase activity of Taq DNA polymerase and the 3'-5' exonuclease mediated proofreading activity of PR polymerase, resulting in high fidelity PCR products.
- Highly optimised buffer systems (XT-Polymerase buffers 20A and 20B) guarantee better performance.
- Human genomic DNA with sequence specific primers to amplify 15.0 kb DNA fragment of tPA gene for 10 control amplification reactions are provided.

**Ordering Information:**

| Product  | Size   | Cat #  |
|--|--------|--------|
| GeNei™ Long PCR 20 kb Ampli Kit (50 reactions) | 1 Pack | 105595 |

**Application:**

- Useful for mapping and sequencing genomes and analyzing eukaryotic genes.
- Can be used in diagnosis of human disease genes that often exceed a length of 10.0 kb.

**Storage: -20°C**

**Materials provided:**

1. XT-20 PCR system includes (a) XT-20 Polymerase and (b) XT-Polymerase buffers 20A and 20B.
2. 30mM dNTP Mix
3. Mineral Oil
4. Control DNA with sequence specific primers to perform 10 control experiments.
5. DNA Marker
6. Instruction Manual