1. Remove cell/mitochondria
2. DNase treatment
3. RNase treatment
4. Nucleic acid isolation

- Viral DNA
- Viral RNA
- cDNA synthesis
- Second-strand DNA synthesis

Denaturation: DNA strands separate. 94°C

Annealing: Primers bind to DNA. 37°C
Singe primer:

Extension: New DNA is synthesized. 72°C
40-45 cycles:
New DNA is synthesized