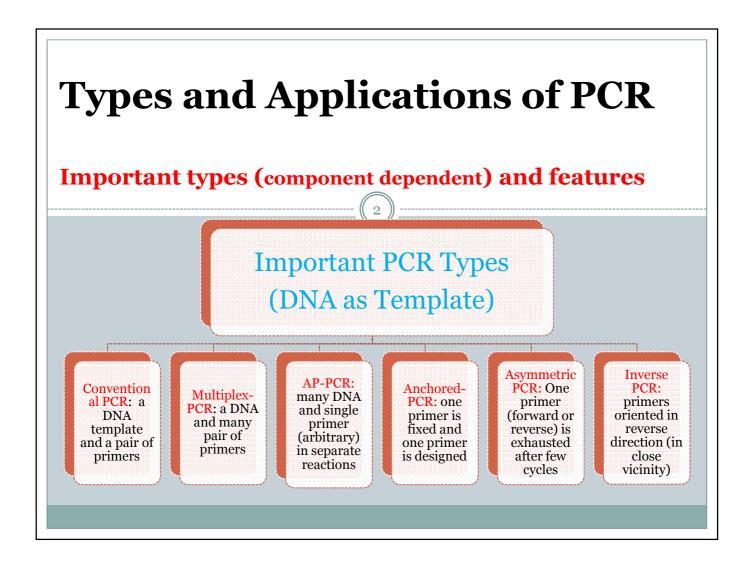
## **Course: M.Sc. Biotechnology**

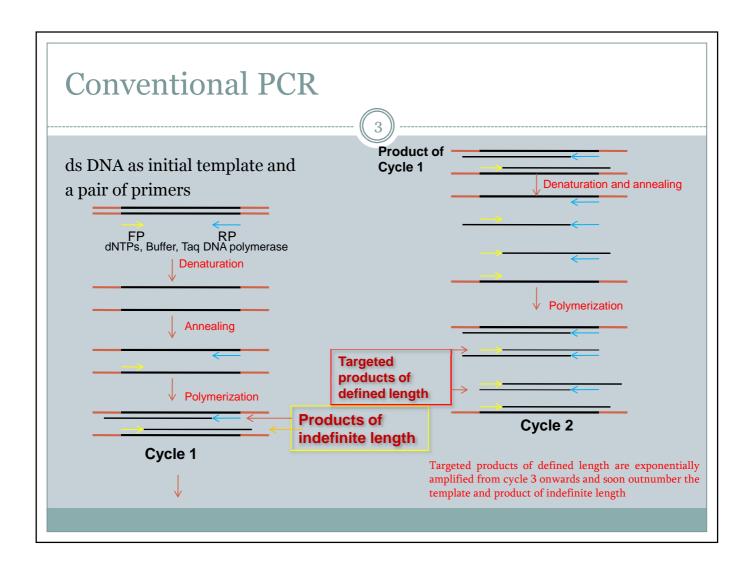
Paper: BIOT4009: Genetic Engineering and Gene Therapy

## UNIT – III POLYMERASE CHAIN REACTION-3



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## Conventional PCR contd.

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In case, native *Taq* DNA polymerase is used in PCR It adds additional template independent A residue at 3' end

Cetus corporation has synthesized a recombinant *Taq* DNA polymerase which adds additional T at 3' end

This activity is called terminal extendase activity

Taq DNA polymerase has no proof reading activity and higher error rate

These properties are used in PCR based gene cloning

